



2018-19 OVU ACADEMIC CATALOG

COURSE DESCRIPTIONS

COURSE NUMBERING CONVENTIONS

Course numbers have three digits. The first digit indicates the level of the course: 1 for freshmen, 2 for sophomore, 3 for junior, and 4 for senior. Courses numbered 300 and above may be taken only by juniors and seniors, except by special arrangements with the instructor and the dean or provost. Courses numbers that begin with a 1 or a 2 are called *lower-division* or *lower-level* in this catalog; course numbers that begin with a 3 or 4 are called *upper-division* or *upper-level* in this catalog. Certain courses may at times be offered for honors credit; when offered in this way, the course will have an *H* added to the number. Course descriptions show the scheduled rotation for courses; courses for which no rotation is shown are generally offered each semester. Occasionally, a course number changes; if a course number changes, a student who took it with the previous number may not retake the course for additional credit.

ACCOUNTING

ACC 221 Principles of Accounting I (3 credits) The basic course in accounting theory and practice, which includes the analysis and recording of business transactions from a managerial viewpoint with applications to single proprietorships, partnerships, and corporations. Course fee: \$150. Offered fall.

ACC 222 Principles of Accounting II (3 credits) Continuation of ACC 221. Partnership and corporation accounting, control accounting, decision making, and further study of statements and analysis. Course fee: \$150. Prerequisite: ACC 221. Offered spring.

ACC 292-95 Accounting Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50.

ACC 321 Intermediate Accounting I (3 credits) In-depth study of conceptual framework of accounting, disclosure standards for general purpose financial statements, and measurement standards for cash, receivables, inventories, revenues and expenses. Course fee: \$50. Prerequisite: ACC 222. Offered fall.

ACC 322 Intermediate Accounting II (3 credits) Measurement and reporting standards for tangible and intangible operating assets, investments, liabilities, contingencies, stockholder's equity, and special problems of revenue recognition. Course fee: \$50. Prerequisite: ACC 321. Offered spring.

ACC 335 Managerial Accounting (3 credits) Study of the use of cost accounting data by management as a tool for planning, control, and decision making. Focus on cost behavior, design of job order and process costing systems, cost-volume-profit analysis, segment reporting, direct and absorption costing, standard cost systems, flexible budgets, capital budgeting, relevant costs, and product pricing. Not required for accounting majors. Course fee: \$50. Prerequisite: ACC 221 and or consent.

ACC 341 Cost Accounting (3 credits) Cost control systems and procedures will be emphasized. Job and process cost accounting; dealing with determining, reporting, analyzing, and controlling the cost of a particular process, job, service, unit or department will be undertaken. Standard costs, transfer pricing, variable costing and capital decisions will be introduced. Course fee: \$150. Prerequisite: ACC 222 or ACC 335. Offered fall, odd-numbered years.

ACC 399 Accounting Internship (1-3 credits) Professional accounting work experience in an external organization (pre-arranged and pre-approved internship) supervised by a faculty member. Fifty hours of work per credit hour, plus written assignments. Course fee: \$50. Prerequisite: Accounting major or minor with minimum of ACC 321 or ACC 421, 64 credit hours, cumulative GPA of 2.0, business coursework GPA of 2.5, and approval of school chair. Offered fall, spring, and summer.

ACC 421 Introduction to Taxation (3 credits) Introduction to taxation with emphasis on broad provisions of federal income tax as it applies to individuals, and proprietorships. Course fee: \$50. Prerequisite: ACC 222 or ACC 335. Offered fall.

ACC 422 Federal Income Taxes (3 credits) Continuation of ACC 421 with emphasis on the impact of federal income taxes on business proprietorships, partnerships, corporations and fiduciaries. Course fee: \$50. Prerequisite: ACC 421. Offered spring.

ACC 431 Accounting Systems (3 credits) Computer systems as they relate to design, implementation, and operation of accounting information systems and internal control procedures. Lab use of accounting computer programs. Course fee: \$50. Prerequisite: ACC 222 or ACC 335. Offered fall, odd-numbered years, and summers.

ACC 441 Auditing and Information Assurance (3 credits) A study of the planning, evidence gathering, internal control review, sampling, and application of procedures used to audit assets, liabilities, equity and related income statement accounts of an organization. Includes an evaluation of the audit and assurance profession including professional standards, ethics and liability of CPAs. Also includes the reporting requirements for compilation and review services and a thorough study of the types of audit opinions. Course fee: \$50. Prerequisite or co-requisite: ACC 322 or consent of school chair. Offered spring, even-numbered years.

ACC 451 Advanced Accounting (3 credits) Application of financial accounting principles to specialized problems in business mergers and acquisitions; consolidated financial reporting; introduction to not-for-profit accounting; advanced partnership accounting; foreign currency translation and measurement for financial reporting purposes; exposure to current accounting problems. Course fee: \$50. Prerequisite: ACC 322, or consent of school chair. Offered fall.

ACC 461 Governmental and Not-for-Profit Accounting (3 credits) Accounting, reporting, and budgeting for governmental and not-for-profit entities and the use of fund accounting data for planning and control. Course fee: \$50. Prerequisites: ACC 321. Offered spring, odd-numbered years.

ACC 471 Fraud Examination Fraud Examination provides an in-depth analysis of modern fraud investigative techniques, with emphasis given to the assembly of evidence for resolution. The course provides ample opportunities to study the flow of cash and other assets through an accounting system and to determine if an adequate system of internal controls is being compromised. The study of internal controls and establishing a system of internal controls is covered in detail. The manipulation of accounting principles and fraudulent financial reporting is addressed and sources of external analytical information are studied. Course fee: \$50. Prerequisite: ACC 221 and 222. FIA majors given preference for enrollment. Offered on demand.

ACC 472 Forensic Accounting Forensic Accounting provides an in-depth analysis of modern forensic investigative accounting techniques. Emphasis will be given to methods of proof for financial investigators; planning, conducting, and recording an interview; investigative techniques; money laundering; and asset forfeiture; and a major case study project. Course fee: \$50. Prerequisite: ACC 471. FIA majors given preference for enrollment. Offered on demand.

ACC 490-1 Accounting Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Course fee: \$50.

ACC 492-95 Accounting Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50. Prerequisite: Junior standing.

ACC 498 Accounting Seminar – Capstone (3 credits) A capstone course. A course taken at other colleges or universities will not transfer in as a substitute for this course. Course fee: \$50.

AMERICAN SIGN LANGUAGE

ASL 101 American Sign Language I (3 credits) This course introduces the student to American Sign Language (ASL) and to the Deaf culture in American. Focus is on building sign vocabulary, fingerspelling, grammatical structure and syntax rules, facial expressions, use of personal space, mime and the development of sensitivity and awareness of the Deaf community in America. The student is expected to acquire basic expressive and receptive signing skills and sign vocabulary to converse with a person who is Deaf. This includes: exchanging personal information; asking for and sharing background information; exchanging information involving numbers; giving and receiving directions; and exchanging favorites. This course is not designed to train the student to function as an interpreter for the Deaf. Offered on demand.

ASL 102 American Sign Language II (3 credits) A continuation of ASL 101. Prerequisite: ASL 101 or equivalent. Offered on demand.

ASL 201 American Sign Language III (3 credits) A continuation of ASL 102. Prerequisite: ASL 102 or equivalent. Offered on demand.

ASL 202 American Sign Language IV (3 credits) A continuation of ASL 201. Prerequisite: ASL 201 or equivalent. Offered on demand.

ART

ART 101 Drawing I (3 credits) An introduction to basic drawing principles designed for the student with limited drawing experience or for the more experienced student who needs a systematic study of drawing fundamentals as a prerequisite for advanced studies. Consists of compositional theory and problem-rendering techniques and an exploration of drawing in a variety of subject matter in several drawing media. Course fee: \$25. Offered fall, odd-numbered years.

ART 102 Drawing II (3 credits) Continuation of Drawing I. Increased emphasis on the creative factor, development of personal style and refinement of technique. Introduction to color in drawing media is given. Course fee: \$25. Prerequisite: ART 101. Offered spring, even-numbered years.

ART 111 Design I (3 credits) A study of design, its elements and principles. The varied application of line, shape, space, texture, pattern and value will be explored in depth. An introduction to design in the graphic arts is given. Course fee: \$25. Offered fall, even-numbered years.

ART 112 Design II (3 credits) A continuation of Design I with the addition of use of color. Extensive work with the principles of balance and rhythm with an emphasis on unity, variety, and proportion to enhance creativity and visual expression. Some three-dimensional work includes an introduction to commercial art. Course fee: \$25. Prerequisite: ART 111. Offered spring, odd numbered years.

ART 121 Art Appreciation (3 credits) A historical study of painting, sculpture, and architecture from prehistoric times to the present. Various works are discussed in relation to the culture of their times. Offered on demand.

ART 131 Water Color (3 credits) This course introduces the novice artist to a variety of water color tools and supplies, and students will learn many water color painting techniques. Realism and abstraction will be explored through the elements and principles of art, and student work will be critiqued. Course fee: \$25. Offered fall, even-numbered years.

ART 132 Oil Painting (3 credits) This course introduces the novice artist to basic oil painting techniques, color theory, and composition. Subject matter will include still life, landscape, and contemporary content. Elements of art and principles of design will be used as a foundation for this course. Studio time and critique will be included. Course fee: \$25. Offered spring, odd-numbered years.

ART 280 Art Appreciation Seminar International (1-4 credits) Offered as part of an international program and designed to provide a general introduction to the nature and history of art as it is reflected in the geographical region included in the itinerary of the international program, enhanced by visiting the historical sites, museums, and artifacts associated with the topical study. Specific course topics may vary according to the geographic region.

ART 292-95 Art Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

ART 492-95 Art Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

BIBLE

BIB 090 Reading the Bible - ESL (2 credits) A general introduction to the Bible taught within the context of an English as a Second Language setting. The basic structure of the Bible, key ideas, events and people will be presented at an English comprehension level appropriate to international students who are at the college level of their English language capabilities. Available only to students in the ESL program. Offered on demand.

BIB 105 Introduction to the Bible (2 credits) An introduction for the beginning Bible student to such concerns as how we got the Bible, the authority and inspiration of Scripture, basic Bible content with an emphasis on the timeline of the Bible, and how to understand the Bible. Cannot be taken for credit if a student has already taken a Bible course numbered 107 or above.

BIB 106 Life of Christ (2 credits) A survey of the gospel accounts of the life of Christ, designed to introduce students to both historical and thematic content of the Gospels from which practical applications can be drawn.

BIB 107 Acts through Revelation (2 credits) A survey of the books of the New Testament from Acts through Revelation.

BIB 160 Introduction to Biblical Languages (3 credits) This course is an introduction to Greek and Hebrew. Students will learn the Greek and Hebrew alphabets, basic issues in grammar, methods of doing word studies, and the use of basic tools for biblical languages. Offered spring.

BIB 205 Old Testament Survey (2 credits) A survey of the books of the Old Testament, from Genesis to Malachi, designed to acquaint students with OT historical chronology and events, OT wisdom and prophetic literature, as well as such themes as the acts and nature of God, His covenants with mankind, and the morality He expects of man.

BIB 206 Christian Thought (2 credits) A survey of major biblical doctrines designed to help the student identify distinctive Christian thought. Prerequisite: at least one of BIB 106, 107, or 205.

BIB 211 Marriage and Family (2 credits) A study of dating, marriage, and family relationships with emphasis on building mutual Christian responsibilities. This course examines the biblical model of marriage and family through the use of scriptural study and Christian worldview development. Prerequisite: sophomore standing. Students cannot earn credit for both BIB 211 and SOC 211.

BIB 225 Introduction to Practical Ministry (3 credits) An introduction to ministry which employs a variety of self-discovery instruments to help the student understand the nature of ministry informed by his or her personal preferences and aptitudes. Required for Bible program admission. A practical ministry course. Prerequisite: 30 hours or permission. Offered fall.

BIB 280 Biblical Studies International (1-4 credits) Offered as part of an international program and designed to provide a general introduction to a topical study appropriate to Biblical literature and/or its historical and cultural background, enhanced by visiting the historical sites, museums, and artifacts, associated with the topical study. Specific course topics may vary according to the geographic region.

BIB 281 Biblical Studies International: Luke–Acts (3 credits) Offered as part of an international program and designed to introduce the teachings and life of Jesus and trace the activities of the early Christian church through a study of Luke’s writings and by visiting the actual sites of these events.

BIB 284 God’s Eternal Purpose (2 credits) This course focuses on the key concepts of salvation as they are revealed in scripture. A primary objective of this course is to determine the orderly revelation and application of salvation principles. A practical ministry course. Offered summer.

BIB 292-95 Bible Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

BIB 299 Bible Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar’s office. Grade basis is pass/no grade.

BIB 301 How to Study the Bible (2 credits) An introductory course to the study and interpretation of the Bible, including a history of the Bible through the ages, various English translations, Bible study principles, and basic doctrines of the Bible that affect how it is understood. A doctrinal and historical studies course. Prerequisites: BIB 106, BIB 107, BIB 205, and BIB 206; or permission of the instructor. Offered spring.

BIB 304 Pastoral Epistles (3 credits) An exegetical study of the text of 1-2 Timothy and Titus with an emphasis on defining an appropriate doctrine of leadership. A textual studies course. Prerequisite: Sophomore standing. Offered fall, even-numbered years.

BIB 305 Galatians and Romans (3 credits) An exegetical study of the text of Galatians and Romans with emphasis upon Paul’s concept of law, gospel, grace, and faith. A textual studies course. Prerequisite: Sophomore standing. Offered fall, odd-numbered years.

BIB 306 Acts (2 credits) A study of the text of Acts with special attention to the establishment, growth, and distinctive features of the first-century church. A textual studies course. Prerequisite: Sophomore standing. Offered fall. Students cannot earn credit for both BIB 306 and 406.

BIB 307 Hebrews (3 credits) An exegetical study of the epistle to the Hebrews with emphasis on the distinctive contributions of the author to New Testament thought. A textual studies course. Prerequisite: Sophomore standing. Offered spring, odd-numbered years.

BIB 308 I Corinthians (2 credits) A general study of I Corinthians focused on practical applications, moral choices, and healthy church dynamics and relationships. A textual studies course. Prerequisite: Sophomore standing. Offered spring. Students cannot earn credit for both BIB 308 and BIB 408.

BIB 309 Selected Pauline Epistles (2 credits) An introductory historical and exegetical study working toward practical applications in selected Pauline passages. A textual studies course. Prerequisite: Sophomore standing. Offered spring, odd-numbered years.

BIB 310 Synoptic Gospels (3 credits) A study of the gospels of Matthew, Mark, and Luke with a critical introduction to the synoptic problem and exegesis of selected texts in the three gospels. A textual studies course. Prerequisite: Sophomore standing. Offered on demand.

BIB 311 General Epistles (2 credits) An introductory historical and exegetical study working toward practical applications in selected passages from the General Epistles. A textual studies course. Prerequisite: Sophomore standing. Offered fall, odd-numbered years.

BIB 312 Gospel of John (2 credits) An in-depth study of the Gospel of John with special attention to introductory material and critical questions. A textual studies course. Prerequisite: Sophomore standing. Offered spring, even-numbered years. Students cannot earn credit for both BIB 312 and BIB 412.

BIB 313 Pentateuch (3 credits) A study of the first five Old Testament books with special attention to developing themes, historical and exegetical studies, and applications for the contemporary church. A textual studies course. Prerequisite: Sophomore standing. Offered spring, odd-numbered years.

BIB 315 Joshua–Esther (3 credits) An examination of Israel's history from their establishment in the Promised Land to their return from exile, drawing upon historical, exegetical, and archaeological materials. A textual studies course. Prerequisite: Sophomore standing. Offered fall, odd-numbered years.

BIB 317 Bible Lands and Ways (2 credits) A study of the geography and culture of the lands mentioned in the Bible as they relate to the events which took place in the ancient world. Prerequisite: Sophomore standing.

BIB 320 Personal Evangelism (3 credits) Methods of and motives for personal evangelism are combined with laboratory and field experiences in personal and home Bible study. A practical ministry course. Prerequisite: Sophomore standing. Offered fall, odd-numbered years.

BIB 321 Educational Program of the Church (3 credits) The teaching program of the church is described and its organization studied. Emphasis is given to methods of teaching and characteristics of good Bible teachers. A practical ministry course. Prerequisite: Sophomore standing. Offered spring, even-numbered years.

BIB 322 Introduction to Missions (3 credits) A study of biblical principles relating to world evangelism, with a survey of current world evangelism methods and how the most productive methods relate to Biblical methods. A practical ministry course. *A writing-enhanced course. Fulfills diversity requirement.* Prerequisite: ENG 132, Sophomore standing. Offered fall, even-numbered years.

BIB 323 Sermon Preparation and Delivery (3 credits) An introduction to homiletics with emphasis on preparing and delivering effective, biblical sermons through classroom practice and critique. A practical ministry course. Prerequisite: Sophomore standing and COM 131. Offered spring.

BIB 324 Advanced Homiletics (3 credits) An advanced study of homiletics which explores and evaluates various homiletic approaches. A practical ministry course. Prerequisite: Sophomore standing. Offered summer and on demand.

BIB 325 Ministry Field Laboratory (1-6 credits) Individual or group experience in conducting ministry or missions. Field Laboratory may be focused in pulpit ministry, educational ministry, youth ministry, family life ministry, missions, or another ministry experience. Techniques of interpersonal communications and ministry or mission methods are practiced in a natural setting. If the Field Laboratory is focused on missions, either BIB 322 or SOC 341 is recommended previously or simultaneously. If Field Laboratory is taken as a second practicum in addition to BIB 425, the field laboratory experience must differ from the 425 experience. If Field Laboratory is focused on camp counseling, PHED 130 must be taken previously or simultaneously. Does not fulfill institutional Bible course requirements. A practical ministry course. Prerequisite: Sophomore standing.

BIB 326 Biblical Mentoring and Discipling Seminar (2 credits) An introduction to mentoring as a tool for lifelong spiritual formation. Explores the biblical examples of one person helping prepare another for a life of service to God. Focuses on the teaching of scripture about the nurturing and relational nature of God as the model for mentoring. Identifies and provides practice for skills in mentoring. Develops mentoring relationships between mentee and mentor. A practical ministry course. Prerequisite: Four of the following five courses: BIB 105, BIB 106, BIB 107, BIB 205, BIB 206. Offered spring.

BIB 327 Religious Speaking for Women (3 credits) A study of homiletics and textual applications with an emphasis on developing religious presentations of special interest to women's groups and seminars. A practical ministry course. Prerequisite: Sophomore standing and COM 131. Offered spring, odd-numbered years.

BIB 329 Women's Ministry (2 credits) A study of the opportunities for Christian service available to women in contemporary society, with a focus on the history of women in Christian service, the service of women as described in the biblical text, and practical applications. A practical ministry course. Prerequisite: Sophomore standing. Offered fall, even-numbered years.

BIB 332 Global Missions Awareness (2 credits) An introduction to global religious concerns, with components introducing world religions, missions issues, global ethical issues, and cultural and social anthropology. A practical ministry course. *Fulfills diversity requirement.* Prerequisite: Sophomore standing. Offered fall, odd-numbered years.

BIB 335 Personal Spiritual Development (2 credits) A practical study of spiritual development based in scripture while exploring journaling, the spiritual disciplines, classic spiritual literature, and the history of spirituality. A practical ministry course. Prerequisite: Sophomore standing. Offered fall, and on demand, in spring.

BIB 344 Christian Evidences (2 credits) A study of the evidences for the existence of God and the Bible as God's inspired revelation. Emphasis given to internal and external evidences of the inspiration of the Bible. A doctrinal and historical studies course. Prerequisite: Sophomore standing. Offered fall.

BIB 346 Doctrinal Issues (3 credits) An examination of the theology and systems of doctrine found in modern denominations in comparison to Biblical teaching. A doctrinal and historical studies course. Prerequisite: Sophomore standing. Offered fall, even-numbered years.

BIB 347 Scripture Interpretation (3 credits) A study of the history of hermeneutics focused on understanding the various theories of Biblical interpretation and interpreting the biblical text using historical-grammatical exegesis. A doctrinal and historical studies course. *A writing-enhanced course.* Prerequisite: Sophomore standing and ENG 132. Offered fall.

BIB 348 New Testament Church (2 credits) A study of the biblical teaching concerning the identity, nature, composition, history, purpose, and evangelistic thrust of the New Testament church, with a special emphasis upon the conditions of entry and the implications for Christian practice and lifestyle. A doctrinal and historical studies course. Prerequisite: Sophomore standing. Offered spring.

BIB 351 Youth Ministry (3 credits) A practical course designed to introduce the goals, needs, programs, methods, materials, and structure of a youth ministry program in a local congregation. Emphasis will be given to understanding adolescents and to the particular responsibilities of the youth worker. A practical ministry course. Prerequisite: Sophomore standing. Offered spring, odd-numbered years.

BIB 352 Ministerial Counseling (3 credits) A practical course designed to introduce the skills and biblical texts needed in church ministry counseling. Course topics include paradigms of ministerial counseling, problems commonly encountered in ministry, counseling men and women, understanding your own natural style, knowing when to refer, and developing a network of trusted referral resources. A practical ministry course. *A writing-enhanced course.* Prerequisite: Sophomore standing and ENG 132. Offered spring, odd-numbered years.

BIB 353 Urban Ministry (3 credits) This course focuses on Christian mission and ministry in the world's growing cities. A practical ministry course. *Fulfills diversity requirement.* Prerequisite: Sophomore standing. Offered fall or summer, even-numbered years.

BIB 354 Children's Ministry (3 credits) An introduction to basic methods and programs of children's ministry. A practical ministry course. Prerequisite: Sophomore standing. Offered fall, odd-numbered years.

BIB 373 Contemporary Christian Issues (2 credits) A study of religious issues of concern to the contemporary Christian. The objective of the course is to develop a worldview which is philosophically sound and consistent with the biblical text. Using that worldview, this course will examine such contemporary religious issues as Biblical truth, postmodernism, pluralism, and diversity. Other social issues, such as abortion, homosexuality, and the changing roles of women, will also be discussed. Doctrinal issues, such as the place of baptism, instrumental music, perseverance of the saints, and the second coming, will also be discussed in the class. Offered fall, even-numbered years.

BIB 401 Old Testament Wisdom Literature (3 credits) A study of Job, Proverbs, Ecclesiastes, Psalms, and the Song of Solomon with special emphasis on content, teaching, historical backgrounds, and New Testament citations. A textual studies course. Prerequisite: Junior standing. Offered spring, even-numbered years.

BIB 402 Luke–Acts (3 credits) A survey of Luke-Acts with special emphasis upon the doctrinal similarities and the overall themes and purposes of Luke’s writings. A textual studies course. Prerequisite: Junior standing. Offered on demand.

BIB 403 Major Prophets (3 credits) A study of the historical, social, political, and religious backgrounds of Isaiah, Jeremiah, Lamentations, Ezekiel, and Daniel. Selected passages will be used in understanding the importance of the message of the prophets for their own day and in the present. A textual studies course. Prerequisite: Junior standing. Offered fall, even-numbered years.

BIB 405 Minor Prophets (3 credits) A study of the historical, social, and religious backgrounds of the prophets Hosea through Malachi. Attention is given to the importance of the message of the prophets to their own period and to the present day. A textual studies course. Prerequisite: Junior standing. Offered fall, odd-numbered years.

BIB 406 Acts (3 credits) A study of the text of Acts with special attention to the establishment, growth, and distinctive features of the first-century church. A textual studies course. Offered fall. Prerequisite: Junior standing and either Bible major or permission of the instructor. Students cannot earn credit for both BIB 306 and BIB 406.

BIB 407 Daniel and Revelation (3 credits) An exegetical and comparative study of the books of Daniel and Revelation with special emphasis given to the nature of apocalyptic literature. A textual studies course. Prerequisite: Junior standing. Offered spring, even-numbered years.

BIB 408 1-2 Corinthians (3 credits) A general study of Corinthian correspondence focused on practical applications, moral choices, healthy church dynamics and relationships, and authenticity. A textual studies course. Prerequisite: Junior standing and either Bible major or permission of the instructor. Offered spring. Students cannot earn credit for both BIB 308 and BIB 408.

BIB 411 Jesus, The Master Teacher (1 credit) Seminar examining Jesus’ teaching content, style, and context with practical applications. Prerequisite: Prerequisite: Junior standing. Co-requisite: EDUC 431, 432, 433, or 434.

BIB 412 Gospel of John (3 credits) An exegetical study of the Gospel of John with special attention to introductory material and critical questions. A textual studies course. Prerequisite: Junior standing and either Bible major or permission of the instructor. Students cannot earn credit for both BIB 312 and BIB 412. Offered spring, even-numbered years.

BIB 413 Teaching the Bible (2 credits) A practical study of the techniques and tools for bringing the Biblical text into a practical, classroom situation. A practical ministry course. Prerequisite: Junior standing.

BIB 422 Church Growth and Planting (2 credits) A survey of crucial factors in church growth and methodology for planting a church at home or abroad. A practical ministry course. Prerequisite: Junior standing. Offered spring, odd-numbered years.

BIB 423 Church Leadership (2 credits) A study of the organization and culture of the local church with emphasis in the roles of elders, deacons, and ministers. A practical ministry course. Prerequisite: Junior standing. Offered spring, even-numbered years.

BIB 425 Practicum in Ministry (3 credits) A practical ministry experience working in an active ministry under the supervision of a faculty member and a field supervisor/mentor for a minimum of 180 hours with weekly reporting. A practical ministry course. Prerequisite: BIB 225 and junior standing.

BIB 451 Senior Seminar (2 credits) A capstone course for the Bible program, with special emphases on undenominational Christianity, evangelism, budgeting, and ministerial taxes. The student will produce portfolio items (including a resume), a senior interview project, and assessment instruments. The two oral examinations required for a degree in Bible are given as components of this course. A practical ministry course. Prerequisite: Senior standing and BIB 299, or consent of the school chair.

BIB 490-1 Bible Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Prerequisite: Junior standing. Offered on demand.

BIB 492-95 Bible Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

BIBLICAL GREEK

BGK 201 Introduction to Greek I (4 credits) The essentials of New Testament Greek language including vocabulary, the basic inflections, and syntax. Offered fall.

BGK 202 Introduction to Greek II (4 credits) A continuation of Greek I. Includes exercises in translation. Prerequisite: BGK 201. Offered spring.

BGK 301 New Testament Greek Readings I (3 credits) A review of grammatical principles, development of vocabulary, and translation of selected New Testament passages. The emphasis in translation is from the gospel of John and from I John. *Fulfills Bible course requirement.* Prerequisite: BGK 202 or equivalent. Offered fall.

BGK 302 New Testament Greek Readings II (3 credits) A continuation of Greek Readings I with special attention to backgrounds of the Greek text and the critical study of the biblical text and the textual apparatus. Selected passages are translated from the gospels and from Paul's letters. *Fulfills Bible course requirement.* Prerequisite: BGK 301. Offered spring.

BGK 401 New Testament Greek Readings III (3 credits) A continuation of Greek Readings II with translation and interpretation of additional New Testament passages. The course also addresses the application of grammatical principles to the interpretation of New Testament passages. *Fulfills Bible course requirement.* Prerequisite: BGK 301 or 302. Offered fall, on demand.

BGK 402 New Testament Greek Readings IV (3 credits) A continuation of Greek Readings III with translation and interpretation of additional New Testament passages and a focus on syntactical, grammatical, and interpretive concerns so that the student is equipped to read regularly from the Greek text. *Fulfills Bible course requirement.* Prerequisite: BGK 301 or 302. Offered spring, on demand.

BGK 492-95 Biblical Greek Special Topics (1-6 credits) An upper-level seminar course that serves to integrate and apply knowledge acquired from previous Greek classes to the translation of additional New Testament passages, the Septuagint, Josephus, Church Fathers, etc. *Fulfills Bible course requirement.* Prerequisite: BGK 301 or BGK 302. Offered on demand.

BIBLICAL HEBREW

BHB 201 Introduction to Biblical Hebrew I (4 credits) The essentials of the Hebrew language, including vocabulary, forms, and syntax. Offered fall, even-numbered years.

BHB 202 Introduction to Biblical Hebrew II (4 credits) A continuation of Hebrew I. Includes exercises in translation. Prerequisite: BHB 201. Offered spring, odd-numbered years.

BHB 301 Biblical Hebrew Readings I (3 credits) A review of grammatical principles, vocabulary development, and translation of selected Old Testament passages. *Fulfills Bible course requirement.* Prerequisite: BHB 202. Offered fall, odd-numbered years.

BHB 302 Biblical Hebrew Readings II (3 credits) A continuation of Hebrew Readings I with special attention to understanding and applying the knowledge of Hebrew to interpretation of Old Testament passages. *Fulfills Bible course requirement.* Prerequisite: BHB 301. Offered spring, even-numbered years.

BHB 492-95 Biblical Hebrew Special Topics (1-6 credits) An upper-level seminar course that serves to integrate and apply knowledge acquired from previous Hebrew classes to the translation additional Old Testament Passages or acquisition of skills in Aramaic. *Fulfills Bible course requirement.* Prerequisite: BHB 301 or 302. Offered on demand.

BUSINESS

BUS 121 Introduction to Business (2 credits) Orientation to the modern business world through a survey of business principles, practices, and procedures; a background for subsequent specialized courses in business. Course fee: \$150.

BUS 292-95 Business Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50.

BUS 298 Business Competition (0-1 credits) This course provides the infrastructure and structured learning expectations to engage business students in projects leading to state, regional, and national collegiate business competitions. Projects include such activities as presentations, speeches, cognitive tests, network design, accounting auditing problems, and business case analysis. Topic domains cover all areas of business. The competitions support both individual and team competition. The course may be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Course fee: \$50. Grade basis is pass/no pass.

BUS 299 Business Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Course fee: \$50. Grade basis is pass/no grade.

BUS 310 Business Communications (3 credits) A study of effective business writing; application of these principles in writing and making oral communications for typical business situations. Course fee: \$50. Prerequisite: Basic typing skills, ENG 132, and COM 131. *A writing-enhanced course.*

BUS 320 Business Calculus (3 credits) Applied calculus for business, life, and social sciences. Topics addressed are functions, limits, differentiation, and integration with applications including exponential and logarithmic equations. Partial derivatives, integration, and optimization of multivariable functions are included. Course fee: \$50. Prerequisite: MAT 151 or equivalent, or at least a 22 on the mathematics section of the ACT (or 540 on the SAT), or consent of instructor. Offered on demand.

BUS 332 Quantitative Business Analysis (3 credits) This course introduces students to a collection of quantitative tools designed to enhance management decision making. Tools include decision theory/decision analysis, forecasting, inventory control models, linear programming, project management techniques (PERT and CPM), queuing theory, simulation, statistical quality control, and other mathematical modeling of business decisions with applications to the fields of marketing, finance, operations management, among others. Course fee: \$50. Prerequisites: MAT 151, MAT 229, and admission to the business program. Offered on demand.

BUS 371 Business Ethics (3 credits) A study of corporate ethics, individual ethics, the mutual responsibilities of employers and employees, and the legal framework under which U.S. businesses operate. The course will look at ethical teachings of the Bible as applied to business. *Fulfills Bible course requirement.* Course fee: \$50. Prerequisite: Admission to the business program and junior standing, or consent. *A writing-enhanced course.* Offered spring. Students cannot earn credit for both REL 371 (Christian Ethics) and BUS 371.

BUS 399 Business Administration Internship (1-3 credits) Professional work experience in an external organization (pre-arranged and pre-approved internship) supervised by a faculty member. Fifty hours of work per credit hour, plus written assignments. Course fee: \$50. Prerequisite: Business Administration major with minimum of 64 credit hours, cumulative GPA of 2.0, business coursework GPA of 2.5, and approval of school chair. Offered fall, spring, and summer.

BUS 431 Business Law I (3 credits) Study of the basic legal framework under which U.S. businesses operate. Topics include the legal environment of business, contracts, sales and lease contracts, and negotiable instruments. Course fee: \$50. Prerequisite: Junior standing or consent. Offered fall.

BUS 432 Business Law II (3 credits) An advanced study of the legal framework under which U.S. businesses operate. Topics include debt or creditor relationships, business organizations, government regulation, property and its protection, and the international legal environment. Course fee: \$50. Prerequisite: BUS 431. Offered spring, even-numbered years.

BUS 433 International Business (3 credits) Overview of economic, managerial, and cultural issues relating to international trade. Topics include comparative advantage, balance of trade and payments, international financial structures, monetary exchange systems, and current topics relating to North American, European, and Asian trade and business ventures. Course fee: \$150. Prerequisite: junior standing, ENG 132, and ECO 236, 237, or 238, or consent. *Fulfills diversity requirement* Offered fall.

BUS 451 Business Policy Seminar (3 credits) Capstone course designed to integrate all concepts and tools studied in the business administration program. Includes the use of case studies and computer simulations to analyze policies, strategies, and ethical considerations encountered in business organizations. Course fee: \$100. Prerequisite: senior standing with a minimum of 36 hours of general business core courses completed and BUS 299, or consent of the school chair; ENG 132; cumulative GPA of 2.0 in all business courses taken. Course must be passed with a C or above to receive credit. *A writing-enhanced course*. Cross-listed as SPMGT 451; students can not earn credit for both courses. Offered spring.

BUS 490-1 Business Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Course fee: \$50.

BUS 492-95 Business Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50. Prerequisite: Junior standing.

CHAPEL AND ASSEMBLY

CHAPEL - Attendance Requirement (0 credits) Ohio Valley University requires students to attend its daily chapel & assembly program; depending on the student's schedule, the student is required to attend 50, 42, or 28 sessions per semester. Students who meet their minimum attendance requirement in a semester receive a grade of Satisfactory (S); those who do not meet the requirement receive a grade of Unsatisfactory (U).

COMPUTER INFORMATION TECHNOLOGY

CIT 142 Principles of Information Systems (3 credits) This is an introductory course in information systems. Basic concepts for information technology and information systems will be covered, with a focus on how organizations can leverage IT to accomplish their objectives. Examples of topics included are business processes, IT infrastructure, computing concepts, and strategic business objectives of information systems. Students need access to a computer to participate in this course. Course fee: \$200. Offered fall.

CIT 143 Fundamentals of Computer Technology (3 credits) this comprehensive, hands-on course covers the fundamentals of computer technology, installation and configuration of PCs, laptops and related hardware, and basic networking. Prerequisite: IT minor and FIA majors and minors only. Course materials fee: \$50. Offered on demand.

CIT 151 Microsoft Word (2 credits) In this competency-based, hands-on course, students will create and manage documents; format text, paragraphs, and sections; create tables and lists; create and manage references; and insert and format graphic elements in preparation for taking the Microsoft Office Specialist Exam Word 2016:77-725. Course materials and testing fee: \$250. To participate in this course, students need access to a Windows-based computer with Office 2016 installed; Macs will not work with online course materials.

CIT 152 Microsoft PowerPoint (2 credits) In this comprehensive, hands-on course, students will create and edit presentations; enhance presentations with pictures, shapes, and WordArt; reuse a presentation and add media and animation; create and format information graphics; collaborate on delivering presentations; navigate presentations using hyperlinks and action buttons; create self-running presentations containing animation; customize a template and handouts using masters; modify a presentation using graphical elements; develop presentations with content from outside sources; and organize slides and create photo albums. Students will take the Microsoft Office Specialist Exam PowerPoint 2016: 77-729. Course materials and testing fee: \$250. To participate in this course, students need access to a Windows-based computer with Office 2016 installed; Macs will not work with online course materials. Students cannot earn credit for both CIT 152 and CIT 352. Offered on demand.

CIT 153 Microsoft Excel (2 credits) In this competency-based, hands-on course, students will create and manage worksheets and workbooks; manage data cells and ranges; create tables; perform operations with formulas and functions; and create charts and objects in preparation for the Microsoft Specialist Exam Excel 2016: 77-727. Course materials and testing fee: \$250. To participate in this course, students need access to a Windows-based computer with Office 2016 installed; Macs will not work with online course materials.

CIT 154 Microsoft Access (2 credits) In this comprehensive, hands-on course, students will create and manage databases; build tables; create queries; create forms and reports; create multiple-table forms; create reports and forms using advanced techniques; create macros and use navigation forms and control layouts; perform database administration tasks; use SQL; and perform database design activities. Students will take the Microsoft Office Specialist Exam Access 2016: 77-730. Course materials and testing fee: \$250. To participate in this course, students need access to a

Windows-based computer with Office 2016 installed; Macs will not work with online course materials. Students cannot earn credit for both CIT 154 and CIT 354. Offered on demand.

CIT 240 Computer Applications for Ministry (2 credits) This is a hands-on course in how to use the computer in ministry situations. Course includes how to develop web pages using HTML, Javascript, and CSS, how to develop vision aids using presentation software, how to use the computer for Bible study, and how to develop a church bulletin using the computer. This is a practical ministry course. Course fee: \$50. Offered summer.

CIT 241 Networks and Networking Technology (3 credits) This course is designed to provide students with a firm grasp of basic networking concepts as they pertain to the IT industry. Topics include network architecture, network operations, network security, troubleshooting, and industry standard practices, and network theory. Prerequisite: IT minor and FIA majors and minors only. Course materials fee \$150. Offered on demand.

CIT 292-95 Information Technology Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50

CIT 344 Information Technology Project Management (3 credits) This course is designed to provide students with an understanding of Project Management. Topics include the following: What is a project, creating the project charter, developing the project scope statement, creating the project schedule, developing the project budget and communicating the plan, risk planning, planning project resources, developing the project team, conducting procurements and sharing information, measuring and controlling project performance, controlling work results, and closing the project and applying professional responsibility. Course fee: \$150. Prerequisite: CIT 142 with grade of C or higher. Offered spring, odd-numbered years.

CIT 351 Microsoft Word Expert (3 credits) In this competency-based, hands-on course, students will create, format, and edit documents; create research papers with references and sources; create business letters with letterhead and table; create documents with title page, lists, tables, and watermark; use a template to create a resume; share finished documents; generate form letters, mailing labels, and directories; create newsletters with pull-quotes and graphics; use document collaboration, integration, and charting tools; create a reference document with a table of contents and an index; create a template for an online form; and enhance an online form using macros in preparation for taking the Microsoft Office 2016 Expert Exam 77-726. Prerequisite: CIT 151 with a grade of C or higher. Course materials and testing fee: \$250. To participate in this course, students need access to a Windows-based computer with Office 2016 installed; Macs will not work with online course materials. Offered on demand.

CIT 352 Microsoft PowerPoint Specialist (3 credits) In this competency-based, hands-on course, students will create and manage presentations; insert and format text, shapes, and images; insert tables, charts, SmartArt, and media; apply transitions and animations; and manage multiple presentations in preparation for taking the Microsoft Office Specialist Exam PowerPoint 2016: 77-729. Course materials and testing fee: \$250. To participate in this course, students need access to a Windows-based computer with Office 2016 installed; Macs will not work with online course materials. Students cannot earn credit for both CIT 152 and CIT 352.

CIT 353 Microsoft Excel Expert (3 credits) In this competency-based, hands-on course, students will create and work with multiple worksheets, workbooks, and charts; create formulas, use functions, and apply formatting; work with large worksheets and what-if analysis; use financial functions and data tables and create amortization schedules; create, sort, and query tables; and create templates, import data, and work with SmartArt, images, and screen shots; create trend lines, PivotTable reports, PivotChart reports, and slicers; perform formula auditing, data validation, and complex problem solving; use macros, controls, and VBA with Excel; and perform collaboration activities in preparation for taking the Microsoft Office Specialist Exam Excel 2016: 77-728. Course materials and testing fee: \$250. To participate in this course, students need access to a Windows-based computer with Office 2016 installed; Macs will not work with online course materials. Prerequisite: CIT 153 with a grade of C or higher. Offered on demand.

CIT 354 Microsoft Access Specialist (3 credits) In this competency-based, hands-on course, students will create and manage databases; build tables; create queries; create forms and reports; create multiple-table forms; create reports and forms using advanced techniques; create macros and use navigation forms and control layouts; perform database administration tasks; use SQL; and perform database design activities in preparation for taking the Microsoft Office Specialist Exam Access 2016: 77-730. Course materials and testing fee: \$250. To participate in this course, students need access to a Windows-based computer with Office 2016 installed; Macs will not work with online course materials. Students cannot earn credit for both CIT 154 and CIT 354. Offered on demand.

CIT 360 Principles of Digital Forensics (3 credits) Principles of Digital Forensics provides a foundation for people new to the digital forensics field. Emphasis will be given to conducting examinations by discussing what digital forensics is, the methodologies used, key technical concepts, and the tools needed to perform examinations. Details on digital forensics for computers, networks, cell phones, GPS, the cloud, and the internet will be studied. Course fee: \$50. Prerequisite: IT and FIA majors and minors only, and CIT143 with a grade of C or better. Offered on demand.

CIT 399 Information Technology Internship (1-3 credits) Professional work experience in an external organization (pre-arranged and pre-approved internship) supervised by the faculty program director. Fifty hours of work per credit hour, plus written assignments. Course fee: \$50. Prerequisite: Information Technology major with a minimum of 64 credit hours, cumulative GPA of 2.0, information technology coursework GPA of 2.5, and approval of program director. Offered fall, spring, and summer.

CIT 441 Information Technology Auditing and Security (3 credits) This course is designed to provide comprehensive overview of network security. Students will learn various concepts and fundamentals including, general security, communication security, infrastructure security, cryptography basics and operational/organizational security. Issues such as Physical Security, Disaster Recovery, and Business Continuity, will be covered as well as coverage of Computer Forensics and how it relates to further avenues of IT. Topics include: Threats; application, data, and host security; cryptography; network security; mobile security; access control and identity management; compliance and operational security. Course materials and fee: \$150. Prerequisite: CIT 142 with grade of C or higher. Offered on demand.

CIT 490-1 Information Technology Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Course fee: \$50.

CIT 492-95 Information Technology Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50. Prerequisite: Junior standing.

COMMUNICATIONS

COM 111 Newspaper Workshop (1-3 credits) Fundamentals of preparing a school newspaper. Actual experience in writing for and editing *The Highlander*, Ohio Valley University's student newspaper. May be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Meets at specially arranged lab times.

COM 113 Private Acting (1 credit) Private Acting is an individualized course of study to maximize student achievement as an actor. The teacher will determine a student's level of ability and prescribe an individualized program of study to maximize student achievement. One 30-minute lesson per week and 30 minutes of practice per day constitute one hour of credit. COM 113 may be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Course fee: \$300.

COM 115 Theatre Production Workshop (1-4 credits) Lab course involving participation in a campus production. Areas of involvement include performing, directing, scenography, lighting, sound, make-up, publicity, and management. At least 35 clock hours are required for each hour of credit. COM 115 may be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Prerequisite: Permission of the instructor.

COM 117 Ambassadors (1 credit) Ohio Valley's touring drama group. Audition and interview are required. Ambassadors travels extensively throughout the United States on its annual summer tour as well as during the school year. Auditions and subsequent interviews for available positions in this group are held each spring on campus. COM 117 may be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Students are required to rehearse during the week.

COM 121 Theatre Appreciation (3 credits) An introduction to theatre history, dramatic literature, and theatre production processes. Instruction will be augmented with opportunities to attend live productions, to watch videos of staged productions, and to experience the work of the producer, director, actor, lighting designer, set designer, costumer, make-up artist, business manager, and stage manager. Course fee: \$15. Offered spring.

COM 123 Introduction to Film (3 credits) A survey of the history of cinematic arts; an introduction to the techniques of cinematography and film editing. Offered fall.

COM 131 Basic Speech Communication (3 credits) Instruction and practice in theory and skills of public, small group, and interpersonal communication, as well as general overview of basic communication forms and methods.

COM 213 Acting (3 credits) For the beginning actor. Logical steps to follow when approaching a role, exploring the tools of the actor (mind, body, voice), and refining skills in using the actor's tools to communicate a character to the audience. Offered on demand.

COM 215 Introduction to Technical Theatre (3 credits) An introduction to the basic technical theatre skills used in creating theatrical productions. Offered on demand.

COM 221 Intercollegiate Forensics (1 credit) Students in the class prepare and deliver speeches and present them at competitions. Prerequisite: COM 131 or consent of instructor. This course may be repeated for credit. Offered on demand.

COM 231 Playwriting (3 credits) A workshop that enables students to create and construct a 10-minute and a one-act play. Students will learn the principles and practices of playwriting, including the elements and genres of drama. Prerequisite: ENG 132 or instructor's approval. *A writing-enhanced course.* Offered on demand.

COM 238 Media Writing (3 credits) Fundamentals of writing and editing for the media. Emphasis on news, feature, and editorial writing for print and broadcast journalism. Prerequisite: ENG 132. *A writing-enhanced course.* Offered spring, odd-numbered years.

COM 280 Theatre Appreciation Seminar International (1-4 credits) Offered as part of an international program and designed to provide a general introduction to theatre history, dramatic literature, and theatre production processes as these are reflected in the geographical region included in the itinerary of the international program, enhanced by visiting the historical and theatrical sites associated with the topical study and by attending live performances. Specific course topics may vary according to the geographic region.

COM 292-95 Communications Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

COM 321 Public Speaking (3 credits) Preparation, delivery, and crucial evaluation of prepared speeches, including entertaining, informative, persuasive, inspirational, and motivational speeches. Prerequisite: COM 131 or consent of instructor. Offered fall, odd-numbered years.

COM 330 Oral Interpretation of Literature (3 credits) Instruction and practice in skills of oral interpretation of a variety of literary genres, e.g., the essay, scripture, prose, poetry, children's literature, and drama. Offered on demand.

COM 331 Interpersonal Communication (3 credits) Study and practice in theory and skills of interpersonal communications including self-perception, verbal and nonverbal behavior, conflict resolution principles, and perceptions of others in one-to-one contexts. Offered spring, even-numbered years.

COM 332 Argumentation and Persuasion (3 credits) Study of principles of practical argumentation and current persuasion theory. Emphasis is placed on recognizing and evaluating the various types of arguments and applying persuasive theory in various contexts. Offered fall, odd-numbered years.

COM 343 Directing (3 credits) The course will provide students with the fundamental tools necessary to analyze and stage dramatic literature. Students will learn various approaches to directing for the theatre which involve knowledge of terminology, methods of communicating with actors and designers, research methods, time management, space consideration, and audience psychology. Offered on demand.

COM 492-95 Communications Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

CRIMINAL JUSTICE

CRJ 101 Introduction to Criminal Justice (3 credit hours) This course provides an introduction to the criminal justice system. The primary goal of this course is to develop a general understanding of the criminal justice system's response to crime in society. Students will explore the delicate balance between community interests and individual rights by focusing on how the justice system, including police, courts, and corrections, is structured to respond to crime. This requires an understanding of the core elements of the criminal justice system: police, courts, and corrections. A grade of C or higher is required for the course to fulfill criminal justice program requirements. Offered spring.

CRJ 150 Police Operations (3 credit hours) Introduction to law enforcement practices and agencies in the United States, including the history, philosophy and operation of federal, state, and local enforcement agencies. Examination of purposes, methods, techniques, and types of patrol. Prerequisite or co-requisite: CRJ 101, or permission of instructor. Offered on demand.

CRJ 200 Police Administration and Supervision (3 credit hours) An introduction to principles governing the organization, structure, and administration of law enforcement organizations. Examines the executive's responsibilities, provides for implementation of command policy, and studies the auxiliary services in support of police operations with specific emphasis on public management theory, the human element in administration, communications, human resource management, the planning process, administering police functions, manpower allocation, and controlling stress. Prerequisite or co-requisite: CRJ 101, or permission of instructor. Offered fall, even-numbered years.

CRJ 220 Criminal Law (3 credit hours) This course is a generic study of criminal law in the United States, and does not cover any specific federal or state law. Topics include principles of criminal law, principles of criminal liability, complicity, inchoate crimes, defenses, justifications, excuses, crimes against persons, crimes against property, and crimes against public order. Course fee: \$25. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. Offered fall, even-numbered years.

CRJ 230 Fundamentals of Criminal Investigation (3 credit hours) An overview of the fundamental principles and techniques applicable to police investigation from incident to trial. Criminal investigative techniques of evaluation and preservation of data including initial response to the crime scene, location and recognition of evidence, interviewing, sketching, collection and transportation of evidence, report writing, and court testimony will be reviewed. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. Offered spring, odd-numbered years.

CRJ 240 Laws of Evidence (3 credit hours) A thorough study of the evidence rules with specific emphasis on application in preparing and presenting evidence; burden of proof, general admissibility tests, witness testimony, documentary and real evidence. Additional emphasis is placed on law governing proof at trial of disputed issues of fact; burden of proof; presumptions, inferences, and judicial notice; admissibility; examination; impeachment, competency, and privileges of witnesses; hearsay rule and exceptions – all related as nearly as possible to criminal, as opposed to civil, process. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. Offered on demand.

CRJ 250 Introduction to Corrections (3 credit hours) This course provides detailed discussions and readings on the role of the correctional system in the United States, an overview of corrections practice and theory, and an examination of the history and development of corrections, the philosophies of corrections, institutional corrections, and corrections in the community. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. Offered on demand.

CRJ 260 Police Report Writing (3 credit hours) A writing intensive course that places special emphasis on familiarizing students with the various writing requirements for criminal justice professionals including develop skills required for crime incident note taking, observation, interviewing, and report writing techniques. Prerequisite: CRJ 150, or consent of instructor. Offered on demand.

CRJ 290 Probation and Parole (3 credit hours) A study of the development, organization, operation, and result of the systems of probation and parole, as substitutions for incarceration methods; selection; success criteria, and public attitudes. Prerequisite: CRJ 250, or consent of instructor. Offered on demand.

CRJ 292-95 Criminal Justice Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

CRJ 299 Criminal Justice Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

CRJ 320 Criminal Procedure (3 credit hours) This course will examine the rules, principles, and concept governing the enforcement of arrest, search, and seizures in the administration of justice. Course fee: \$25. Prerequisite: CRJ 220, or consent of instructor. Offered fall, odd-numbered years.

CRJ 330 Principles of Private Security (3 credit hours) A critical examination of crime prevention and security practices and approaches, covering the organization and management of the security functions in industry, business, government, and institutions. The protection of personnel, facilities, and other assets as well as the administrative, legal, and technical problems of loss prevention and control is analyzed; emphasis on evaluating the effectiveness and problems of various approaches. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. Offered fall, odd-numbered years.

CRJ 334 Constitutional Law (3 credit hours) A thorough study of the constitutional bases for substantive and procedural law. Emphasis will be placed on the 4th, 5th, 6th, 7th, and 8th amendments of the United States Constitution. Cases will involve current legal decisions affecting the role of our criminal justice profession. Prerequisite: CRJ 101 with a grade of C or higher, or SOC 101, or consent of instructor. Offered on demand.

CRJ 345 Forensic Psychology (3 credit hours) Surveys the psychological theories and methods pertinent to the legal and criminal justice systems. Course covers the history of forensic psychology, and the impact it has made on criminal justice; i.e. victimization, profiling, reliability of eyewitness testimony, expert witness prep, jury selection, interrogations, insanity, dealing with the mentally ill, and offender types. Prerequisite: CRJ 101 with a grade of C or higher, or PSY 101, or consent of instructor. Cross-listed as PSY 345; students cannot earn credit for both courses. Offered on demand.

CRJ 365 Organized Crime (3 credit hours) This course will examine the origins and functioning of organized crime and criminal organizations from a criminal justice perspective. Students will become familiar with federal statutes dealing with organized crime and various departments assigned to investigating them. Prerequisite: CRJ 101 with a grade of C or higher, or SOC 101, or consent of instructor. Offered on demand.

CRJ 370 Court Systems in the United States (3 credit hours) This course is an examination of the role of the judiciary in the criminal justice system including: the structure of the U.S. court system, the prosecution of offenders, the basic right to counsel, the concept of pretrial release, the purpose and function of the grand jury, the procedural processes of adjudication, types and purposes of sentencing, the rules of evidence, rules concerning trial procedure, and the disposition of criminal cases. By focusing on court systems and the rules of procedure, the student will better understand why particular cases are filed in certain courts, and why certain procedures are required, while others are prohibited. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. Offered on demand.

CRJ 371 Ethics in Criminal Justice (3 credit hours) This course is designed to provide students with an opportunity to integrate ethics in their understanding of criminal justice. Such issues may include the discretionary power of arrest, the use of deadly force, the decision to prosecute, participation in plea bargaining, representation of the guilty, and the imposition of punishment, to name a few. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. This course does not fulfill the OVU Bible requirement. Offered on demand.

CRJ 390 Criminological Theories (3 credit hours) An introduction and overview of the field of criminology and causes of criminal and delinquent behavior, including its theories, basic assumptions, and definitions. Attention is made to analyzing each theory in terms of its internal consistency and logic as well as its fit with data on crime, criminals, and victims. Includes critical analysis of relevant research and policy implications. Prerequisite: CRJ 101 with a grade of C or higher, or consent of instructor. Offered on demand.

CRJ 410 Victimology (3 credit hours) An examination of the victim in the criminal justice system in order to deepen the student's understanding of the victim of a crime, to provide an organizing structure of the roles of victimology and the reasons for victimization. The course covers the development of victimology, basic concepts and issues, specific types of victimization and societal/system response to the victim. Prerequisite: CRJ 101 with a grade of C or higher, or SOC 101, or consent of instructor. Offered on spring, even-numbered years.

CRJ 430 Financial Crimes (3 credit hours) This course provides a comprehensive introduction to financial fraud and crimes. Special emphasis given to who commits fraud and why, fraud schemes, and fraud detection, deterrence, and investigation. Prerequisite: CRJ 101 with a grade of C or higher, or BUS 121, or consent of instructor. Course fee: \$20. Offered on demand.

CRJ 435 Interrogation Investigative Analytical Processes (3 credits) Interrogation Investigative Analytical Processes provides a foundation for exploring methods and techniques that enhance the interview process and increase the probability of a successful outcome. Topics include planning for the interview, the interview setting, props, assessing the interviewee, establishing dominance, rapport, Miranda warnings, detecting deception, nonverbal behavior, verbal clues to deception, the interviewing tool box, the anger cycle, breaking the impasse and other problems, and the end game. Prerequisite: Senior standing. Offered on demand.

CRJ 440 Civil Rights and Liberties (3 credit hours) A thorough study of the constitutional bases for civil rights and liberties. Cases will involve current legal decisions that have defined the judiciary system's views on civil rights and liberties. Prerequisite: CRJ 101 with a grade of C or higher, or SOC 101, or consent of instructor. Offered on demand.

CRJ 445 American Public Policy and Crime (3 credit hours) This course involves a detailed examination of the major efforts designed to control or reduce crime. A review of existing knowledge is followed by an investigation of current crime control theories, proposals, and programs. Prerequisite: CRJ 101 with a grade of C or higher, or SOC 101, or consent of instructor. Offered on demand.

CRJ 450 Law Enforcement in American Society (3 credit hours) An examination of the role of the police in contemporary America; emphasis on the philosophy and history of American law enforcement; limitations imposed on law enforcement in a democratic society, law enforcement agencies, police and community relations, problems and issues confronting police, and police ethics. Prerequisite: CRJ 101 with a grade of C or higher, or SOC 101, or consent of instructor. Offered on demand.

CRJ 451 Senior Seminar (3 credit hours) This course is a discussion of the professional opportunities in criminal justice and related fields. It is an exploration of the issues one must consider in order to pursue a career and/or graduate school. Focuses of the course include a review of the field of criminal justice, resume and curriculum vitae writing, and interview techniques. A grade of *B* or higher is required for the course to fulfill criminal justice program requirements. Prerequisite: CRJ 299. Offered on demand.

CRJ 489 Criminal Justice Practicum (1-6 credit hours) Professional work experience in an external setting within the area of criminal justice and/or behavioral sciences. Students may select work setting from several pre-approved sites. At least 35 clock hours of contact are required for each hour of credit. Prerequisite: Junior standing. *A writing-enhanced course.*

CRJ 490-1 Criminal Justice Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

CRJ 492-95 Criminal Justice Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

CRJ 498 Criminal Justice Program Senior Assessment (0 credits) During this course, students will complete exit surveys and assessment tests. This course is taken during a student's final semester before graduation. Course fee: \$25. Grade basis is pass/no grade.

ECONOMICS

ECO 236 Principles of Macroeconomics (3 credits) A study of the workings of the economy as a whole, including price levels, employment, national income accounting, fiscal policy, monetary policy, and the banking system. Meets social science general education requirement. Course fee: \$50. Students cannot earn credit for both ECO 236 and ECO 238. Offered fall.

ECO 237 Principles of Microeconomics (3 credits) A study of specific economic units in a capitalist market system (individuals, firms, and industries) focusing on the pricing and output of goods, services, and resources in various market structures. Course fee: \$50. Offered spring.

ECO 238 Principles of Economics (3 credits) A one-semester economics course with emphasis on macroeconomic principles; select microeconomics principles will be incorporated into the course. Meets social science general education requirement. Course fee: \$50. Students cannot earn credit for both ECO 236 and ECO 238. Offered on demand.

EDUCATION

EDUC 101 Introduction to Learning (3 credits) Explores educational practices in today's schools, basic preparation for teaching and developing career skills in technology, communication, and leadership. Twenty hours of field experience required. To be taken in the first semester that the student enters OVU or declares teacher education as a major. This course is required for all teacher preparation majors; no course may be transferred to OVU to substitute for EDUC 101. Course fee: \$50.

EDUC 120 CASE Preparation (0-1 credits) This seminar will assist teacher education majors in preparing to take the Core Academic Skills for Educators (CASE) basic tests in reading, writing, and math. Students who are not exempt from the CASE Test requirement are to register for EDUC 120 in the same semester in which they take EDUC 101 (Introduction to Learning). If a student does not pass one or more CASE tests during the first semester of enrollment, he or she will be required to re-enroll in EDUC 120 the subsequent semester and participate until all CASE tests are passed. EDUC 120 may be taken no more than twice. Grade basis is pass/no grade.

EDUC 202 Research, Writing, and Speaking (3 credits) Develop proficiency in the use of correct oral and written communication. Emphasis on researching evidence-based practices, lesson planning, and lesson presentation. Prerequisites: ENG 132 and a teacher education major. *A writing-enhanced course.*

EDUC 203 Effective Learning 1 (1 credit) A contemporary and practical study of standards-based teaching and learning systems and materials. Addresses lesson planning in backward design, lesson presentation, higher order thinking, questioning, speaking, and listening through discussion and projects. Ten hours of field experience are required. Course fee: \$20. Prerequisites: EDUC 101, EDUC 320. This course may be repeated only once. Offered fall.

EDUC 204 Effective Learning 2 (1 credit) A contemporary and practical study of standards-based teaching and learning systems and materials. Addresses lesson planning in backward design, lesson presentation, higher order thinking, student factors that affect learning, and differentiated instruction through discussion and projects. Ten hours of field experience are required. Course fee: \$20. Prerequisites: EDUC 101, EDUC 203, EDUC 320. This course may be repeated only once. Offered spring.

EDUC 205 Effective Learning 3 (1 credit) A contemporary and practical study of standards-based teaching and learning systems and materials. Addresses lesson planning in backward design, lesson presentation, learning models, assessment, and data analysis through discussion and projects. Ten hours of field experience are required. Course fee: \$20. Prerequisites: EDUC 101, EDUC 204, EDUC 320. This course may be repeated only once. Offered spring.

EDUC 215 Learning Environment (2 credits) Techniques necessary for effective teaching are presented. Attention is given to practical aspects of teaching such as discipline, communication, and interpersonal relationship skills, classroom environment, use of time, and evaluative procedures. Twenty hours of field experience are required. Course fee: \$25. Prerequisites or co-requisites: ENG 132; EDUC 101, and 320. *A writing-enhanced course.* Offered spring.

EDUC 237 Children's Literature (3 credits) This course provides a study of the types and sources of children's literature, involves the extensive reading necessary to acquaint a prospective teacher with the wealth of material available in the field, and demonstrates procedures in the teaching of reading and literature to children. Emphasizes the five dimensions of reading. Prerequisite: 101 and either LIT 235 or 236. Offered spring.

EDUC 292-95 Education Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

EDUC 299 Education Program Admission (0 credits) During this course, students will apply for teacher education program admission and apply for a degree audit through the registrar's office. Co-requisite: 101. Grade basis is pass/no grade.

EDUC 300 Technology Applications in Education (3 credits) Use and apply technology to the teaching-learning process with software, programs, equipment, and activities used by teachers and students in K-12 classrooms. Offered spring.

EDUC 302 Research, Writing, and Speaking (2 credits) Develop proficiency in use of correct oral and written communication. Prospective teachers will demonstrate their knowledge and skills by completing a research paper, writing and identifying errors, and giving oral presentations. Prerequisites: ENG 132 and a teacher education major. *A writing-enhanced course.* Offered on demand.

EDUC 319 Teaching Social Studies K-6 (2 credits) A study of the philosophy and methods of teaching social studies to elementary students. Emphasis will be placed on collecting materials and resources to plan and teach K-6 social studies lessons for peer and faculty review. Prerequisites: HIS 132; HIS 133; EDUC 320; and admission to the teacher education program. Offered fall.

EDUC 320 Educational Psychology (3 credits) Explores human development, learning theories, and introduction to assessment of student growth and achievement. Emphasizes how human development affects learning and how application of learning theories and assessment assists planning, delivering, and evaluating student learning. Offered fall.

EDUC 321 Curriculum and Methods of Teaching K-12 (3 credits) A practical and contemporary study of methods and materials of teaching along with study of the organization and development of curriculum. An exploration of future trends in the subject-field content will be examined through discussion, problem solving, and projects. Twenty hours of field experience are required. Course fee: \$45. Prerequisites: EDUC 320 and admission to the teacher education program. This course may be repeated only once. Offered on demand.

EDUC 322 Teaching Elementary Wellness K-6 (2 credits) A study of organizing health and physical education instruction in the elementary school classroom or leading a physical education and health program in an elementary building, including methods for instruction and selection of activities with emphasis on lifetime fitness and wellness. Ten hours of field experience are required. Course fee: \$25. Prerequisites: Admission to the elementary education program. Offered spring.

EDUC 323 Teaching Art K-6 (1 credit) A study of the skills, concepts, methods, and materials used for teaching art in the elementary school classroom. Students are required to produce art projects, teach developmentally appropriate art lessons, and adapt lessons and materials for students with exceptionalities. Prerequisite: 101. Recommended co-requisite: EDUC 324. Offered fall during last eight weeks.

EDUC 324 Teaching Music K-6 (1 credit) A study of the skills, concepts, methods, and materials used for teaching music in the elementary school classroom. Students will participate in and teach developmentally appropriate music lessons and adapt lessons and materials for students with exceptionalities. Special emphasis will be placed upon developing the students' abilities to integrate music with other disciplines in regular classroom instruction. Prerequisite: 101. Recommended co-requisite: EDUC 323. Offered fall during first eight weeks.

EDUC 326 Teaching Science K-6 (3 credits) A study of philosophical and methodological issues related to teaching science to elementary students. At least 10 hours of laboratory work is required to collect and organize materials and resources for planning and teaching K-6 science lessons for peer and faculty review. Prerequisites: NSC 131, NSC 148, EDUC 320, and admission to the teacher education program. Offered fall.

EDUC 327 Teaching Language Arts K-6 (3 credits) A study of methods, resources, and materials for teaching language arts, understanding the processes involved in learning language arts: listening, speaking, thinking, visually representing, handwriting, spelling, and grammar. Ten hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 202, EDUC 320, and admission to the teacher education program. Co-requisite: EDUC 328. *A writing-enhanced course.* Offered fall.

EDUC 328 Teaching Reading – Phonics (3 credits) A study designed to acquaint teachers with resources, methods and materials for teaching the five dimensions of reading. A study of the processes involved in learning and teaching reading, with primary emphasis given to phonemic awareness and phonics, diversity, learning styles and special needs. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 202, EDUC 320 and admission to the teacher education program. Co-requisite: EDUC 327. Offered fall.

EDUC 329 Teaching the Dimensions of Reading (3 credits) A study designed to acquaint teachers with resources, methods and materials for teaching the five dimensions of reading. A study of the processes involved in learning and teaching reading, with primary emphasis given to strategies for building vocabulary, comprehension, fluency, diversity, learning styles, and special needs. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 202, EDUC 320 and admission to the teacher education program. Offered spring.

EDUC 331 Teaching Secondary English, 5-Adult (3 credits) A study of the methods, resources, and materials used in middle and senior high schools. Skills to be emphasized include listening, speaking, handwriting, spelling, and grammar. Forty hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 320 and admission to the teacher education program. Offered as needed by the program.

EDUC 332 Teaching Secondary Mathematics, 5-Adult (3 credits) A study of the philosophy and methodology of teaching mathematics to high school students. Emphasis will be placed on higher level math. Forty hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 320 and admission to the teacher education program. Offered as needed by the program.

EDUC 334 Teaching Secondary Social Studies, 5-Adult (3 credits) A study of methods, resources, and materials for teaching social studies at the secondary level. Emphasis will be placed on teaching methodology and student learning strategies. Forty hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 320 and admission to the teacher education program. Offered as needed by the program.

EDUC 335 Teaching Wellness, P-12 (3 credits) This course emphasizes methods of teaching health and physical education in Preschool-12th grade, organizing and implementing health and physical education programs in P-12 schools, and the promotion of wellness in school and community. Twenty hours of field experience are required. Prerequisites: EDUC 320 and admission to the teacher education program. Course fee: \$25. Offered as needed by the program.

EDUC 342 Teaching Math K-3 (3 credits) This course extends mathematic content and professional knowledge for teachers in kindergarten through third grade, with an emphasis on teaching mathematics in a student-centered, problem-based curriculum. Emphasis is on building skills for assessment, correction of error patterns, and adapting curriculum. This course addresses all required standards and research-based strategies for this age group. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: MAT 149, MAT 151, MAT 251, and admission to the teacher education program. Offered spring.

EDUC 343 Teaching Math 4-6 (3 credits) This course extends mathematic content and professional knowledge for teachers in grades four through six, with an emphasis on what it means to teach mathematics in a student-centered, problem-based curriculum. Emphasis is on building skills for assessment, correction of error patterns, adapting curriculum, co-teaching, interacting, and reflecting on educational partnerships. This course addresses all required standards and research-based strategies for this age group. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: MAT 149, MAT 151, MAT 251, and admission to the teacher education program. Offered fall.

EDUC 344 Diagnostic and Prescriptive Math (2 credits) A study of the methods, resources, and materials for assessment and correction of K-6 students' difficulties with mathematics, causes, and remediation. Includes use and evaluation of various diagnostic instruments and strategies. Ten hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 342 and 343, and admission to the teacher education program. Offered spring, odd-numbered years.

EDUC 413 Diagnostic and Prescriptive Reading (3 credits) A study of assessment and correction of reading problems, their causes, and remediation. Instruction in use of various diagnostic instruments and using the results to plan remediation. Ten hours of field experience are required. Prerequisites: EDUC 237, EDUC 320, either EDUC 327 and 328 or EDUC 414, and admission to the teacher education program. Offered spring.

EDUC 414 Teaching Reading in the Content Area (3 credits) A study of the skills necessary to teach students in grades 4-12 to read content-area textbooks, to develop intrinsic motivation, critical thinking, study skills, vocabulary, fluency, comprehension strategies, and self-monitoring strategies in all students, especially weak readers and English Language Learners. Ten hours of field experience are required. Course fee: \$25. Prerequisites: ENG 132, EDUC 202 or ENG 333, EDUC 320, and admission to the teacher education program. Offered spring.

EDUC 415 Differentiated Instruction (1 credit) This course is for those who need study in differentiated instruction as a foundation for effective work with diverse students, including English-Language Learners, students with special needs, and students with diverse learning styles. The course addresses research-based strategies for curriculum and lesson design with focus on assessment of prior knowledge, setting learning goals, planning instruction, assessment of learning, and documenting achievement. Prerequisites: Admission to the teacher education program or teaching certification. Offered on demand.

EDUC 422 Young Adult Literature (3 credits) Study of selected literature appropriate for students in junior and senior high school. Emphasis on methods in responding to literature through composition. Prerequisite: LIT 235 or 236. Offered spring, even-numbered years.

EDUC 431 Student Teaching K-3 (5 credits) Completing the assignment as a student teacher by working with a cooperating teacher and gradually assuming his or her schedule of planning and teaching, classroom and school duties, extracurricular and professional activities. A grade of *A* or *B* is required for course to fulfill program requirements. Course fee: \$117. Prerequisite: Admission to the teacher education program and student teaching, and the following courses: EDUC 205, 299, 319, 325, 326, 327, 342, 343, 328, 413, and SPED 341. Offered fall and spring.

EDUC 432 Student Teaching 4-6 (5 credits) Completing the assignment as a student teacher by working with a cooperating teacher and gradually assuming his or her schedule of planning and teaching, classroom and school duties, extracurricular and professional activities. A grade of *A* or *B* is required for course to fulfill program requirements. Course fee: \$75. Prerequisite: Admission to the teacher education program and student teaching, and the following courses: EDUC 205, 299, 319, 325, 326, 327, 328, 342, 343, 413, and SPED 341. Offered fall and spring.

EDUC 433 Student Teaching 5-12 (10 credits) Completing the assignment as a student teacher by working with cooperating teachers and gradually assuming their schedules of planning and teaching, classroom and school duties, extracurricular and professional activities. A grade of *A* or *B* is required for course to fulfill program requirements. Course fee: \$192. Prerequisite: Admission to the teacher education program and student teaching, and the following courses: EDUC 205, EDUC 299, EDUC 414, and SPED 341, and either EDUC 331, 332, 333, or 334. Offered fall and spring.

EDUC 434 Student Teaching in Wellness Education P-A (10 credits) Completing the assignment as a student teacher by working with cooperating teachers and gradually assuming their schedules of planning and teaching, classroom and school duties, extracurricular and professional activities. A grade of *A* or *B* is required for course to fulfill program requirements. Course fee: \$192. Prerequisite: Admission to the teacher education program and student teaching, and the following courses: EDUC 299, EDUC 205, EDUC 335, EDUC 414, and SPED 341. Offered fall and spring.

EDUC 435 Student Teaching in Special Education K-A (10 credits) Completing two placements as a student teacher by working with cooperating teachers and gradually assuming their schedules of planning and teaching, classroom and school duties, extracurricular and professional activities. A grade of *A* or *B* is required for course to fulfill program requirements. Course fee: \$192. Admission to the teacher education program and the following courses: EDUC 205, EDUC 328, EDUC 329, EDUC 344, EDUC 414, SPED 341, and SPED 302-309. Offered fall and spring.

EDUC 451 Student Teaching Seminar (2 credits) A study of classroom performance variables, problem-solving strategies in classroom management, and organizational techniques. Review of establishing schedules, maintaining protocols, and managing attitudes. Course fee: \$42. Co-requisite: EDUC 431 and 432, 433, or 434. Prerequisite: Admission to the teacher education program and student teaching and EDUC 299. *A writing-enhanced course*. Taken during the Clinical 2 Student Teaching semester.

EDUC 490-1 Education Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

EDUC 492-95 Education Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

ENERGY MANAGEMENT AND PRODUCTION ENGINEERING

EMPE 102 Introduction to Production Engineering (2 credits) This course suggests ways to analyze energy production systems in terms of material flow and storage, information flow, capacities, and times and durations of events. Fundamental topics include probability, inventory and queuing models, forecasting, optimization, process analysis, and linear and dynamic systems. Prerequisite or co-requisite: EMPE 101. Course fee: \$100. Offered spring.

EMPE 198 Summer Internship: Industry Survey (1 credit) Introduces the student to the energy industry, resulting in a research paper, web-publishable article, and presentation (given in the fall). Prerequisite: Accepted into the EMPE program or consent of the chair of the EMPE Program. Course fee: \$50. Offered summer.

EMPE 200 Industrial Energy (3 credits) This course focuses on processes typically found in industrial facilities. Topics include industrial safety, mechanical technology, hydraulics and pneumatics, pipes and pipefitting, lubrication and bearings, heat exchanges, electrical technology, instrumentation and control, and environmental awareness. Basic math and science functions are covered as well. These include elemental math and physics topics such as motion, energy, fluid dynamics, simple machines, electricity, and magnetism. Prerequisite: EMPE 102. Course fee: \$625 (for simulation access). Offered fall.

EMPE 298 Summer Internship: Industry Professional Shadowing (1 credit) Preparation work for a one-week shadowing exercise, and then an on-site engagement with an energy industry executive, manager, or engineer, resulting in a research paper, web-publishable article, and presentation (given in the fall). Prerequisite: Accepted into the EMPE program or consent of the chair of the EMPE Program. Course fee: \$50. Offered summer.

EMPE 301 Industrial Engineering Principles (3 credits) Basic industrial engineering concepts to include systems optimization, variability in systems, and production systems. Student teams engage in design projects that require the integration of several concepts. Ethics and professional conduct are stressed. Prerequisite: EMPE 201. Course fee: \$50. Offered fall.

EMPE 350 Introduction to Project Management (4 credits) This course instructs the student on principles of modern project management and the fundamental processes of initiating, planning, executing, monitoring, and controlling projects. Students will learn the inputs and outputs and the tools and techniques of: defining the project, estimating project times and costs, developing project plans, managing risk, scheduling resources and their costs, reducing project duration, progress and performance measurement, and evaluation and project closure. It is expected that the student will attend three hours per week of lecture and one hour of lab work. The lab for this course develops the student's knowledge, skills, and other attributes required to manage an industrial energy project team. Course Fee: \$500. Offered fall.

EMPE 351 Principles of Project Management (4 credit hours) This course is the continuation of EMPE 350 and instructs the student on principles of modern project management and the fundamental processes of initiating, planning, executing, monitoring, and controlling projects. Students will learn the inputs and outputs and the tools and techniques of: defining the project, estimating project times and costs, developing project plans, managing risk, scheduling resources and their costs, reducing project duration, progress and performance measurement, and evaluation and project closure. It is expected that the student will attend three hours per week of lecture and one hour of lab work. The lab for this course develops the student's knowledge, skills, and other attributes required to manage an industrial energy project team. Sitting for the certification test in Microsoft Outlook is required. Course Fee: \$600. Prerequisite: EMPE 350. Offered spring.

EMPE 398 Summer Internship: Full-Time Work (1 credit) Student will complete an 8- to 10-week energy project-oriented internship at a sponsoring energy industry company. Students will complete a research paper, a web-publishable article, and a presentation (given in the fall). Prerequisite: Accepted into the EMPE program or consent of the chair of the EMPE Program. Course fee: \$50. Offered summer thereafter.

ENGLISH

ENG 090 Concepts of College Writing (3 credits) Instruction in the process of writing from prewriting activities through revision and editing with a primary focus on the writing of paragraphs. Review of basic principles of grammar, usage, and mechanics. Grade basis is *A*, *B*, or *F*; students may not withdraw from this course. Institutional credit only; this course is designed to prepare students for college-level work—it does not fulfill graduation requirements, and the grade earned does not affect the student's GPA. Required of students who receive an 18 or below on the English section of the ACT (or below 450 on the SAT). Offered fall, and in spring on demand.

ENG 131 College Writing I (3 credits) Instruction and practice in planning, drafting, revising, and editing expository and persuasive prose, for application to academic and personal writing. Introduction to the literary genres of the essay and the short story. Introduces basic principles and forms for citing and documenting outside sources. To fulfill graduation requirements, students must earn a grade of *A*, *B*, or *C*; students may not withdraw from the course. Prerequisite: ENG 090 or a minimum of 19 on the English section of the ACT (or 450 on the SAT).

ENG 132 College Writing II (3 credits) Instruction and practice in writing a research paper. Continued instruction in writing expository papers for academic and personal uses. Introduction to the genres of poetry and drama. As in ENG 131, emphasis will be on the process of writing. To fulfill graduation requirements, students must earn a grade of *A*, *B*, or *C*; students may not withdraw from the course. Prerequisite: ENG 131 or equivalent.

ENG 292-95 English Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

ENG 299 English Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

ENG 301 Advanced Grammar and Composition (3 credits) An in-depth analysis of English grammar with attention to syntax and semantics. Study and practice in advanced writing techniques emphasizing skills in analysis, synthesis, and evaluation. Prerequisite: ENG 132. *A writing-enhanced course*. Offered fall, even-numbered years.

ENG 331 Creative Writing (3 credits) Development of creative and critical thinking and writing skills. Study of basic literary genres and effective use of language. The primary method of instruction is the writing workshop. Writers give and receive feedback on original work. Prerequisite: ENG 132. *A writing-enhanced course*. Offered on demand.

ENG 333 Professional Writing (3 credits) An intensive writing course with an emphasis on writing in the workplace and/or for graduate school. Prerequisites: ENG 132 and junior standing. *A writing-enhanced course*. Offered spring.

ENG 451 English Senior Seminar (2 credits) Course designed as a culmination of knowledge and skills acquired during the program. Students will complete an action research project under the supervision of a member of the English faculty. Emphasis is on research, writing, analysis, synthesis, and evaluation of an approved topic. Prerequisite: Senior standing with a 2.5 GPA, ENG 299, and a minimum of 30 hours toward major coursework. Course fee: \$25. Offered on demand.

ENG 490-1 English Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

ENG 492-95 English Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

ENG 489 English Practicum (1-6 credits) Professional work experience in an external setting with appropriate reading and writing to support the experience. At least 35 hours of contact are required for each hour of credit. The practicum can be repeated for credit.

ENVIRONMENTAL & SUSTAINABILITY STUDIES

ENVR 299 Environmental & Sustainability Studies Program Admission (0 credits) During this course, students will apply for program admission and for a degree audit through the registrar's office. Grade basis is pass/no grade. Prerequisite: sophomore standing.

ENVR 320 Environment and Sustainability (3 credits) This course surveys the major components of ecosystem and the structure and dynamics of populations and communities. These components are then integrated and applied from a sustainability perspective to environmental issues including human population growth, land, water and air resource management and use, conservation of biodiversity, and energy sources and use. Offered on demand.

ENVR 330 Energy Resources and Efficiencies (3 credits) An analysis of the various sources of energy (both fossil and renewable) utilized by modern societies, including the means by which these resources are acquired, distributed, and consumed. Includes a survey of methods by which user-end efficiencies and/or alternatives can reduce the amount of energy consumed. Offered on demand.

ENVR 340 Environmental Economics (3 credits) A survey of microeconomic principles applied to environmental issues such as supply and demand, externalities, and cost-benefit analysis. Topics include environmental regulation, cap and trade, market-based incentives, and natural resource management. Offered on demand.

ENVR 350 Environmental Science and Policy (3 credits) This course will investigate the scientific and policy-based aspects of several controversial environmental issues as well as their impacts on business and private citizens. Readings and discussions will focus on the interplay between scientific results and the policies proceeding from them. Offered on demand.

ENVR 370 Geographic Information Systems (3 credits) This course is designed to provide practical experiences in spatial database design and analysis using Geographic Information Systems (GIS) as applied primarily to the environmental sciences. Topics include the history of GIS, GIS data structures and sources of data, GIS tools, software applications, and resources. Exercises include spatial data display and query, map generation, and simple spatial analysis using ArcGIS software. Offered on demand.

ENVR 371 Environmental Ethics (2 credits) A survey of ethical principles related to the environment such as resource use, climate change, biodiversity loss, and sustainable development. This course will introduce a biblical perspective of God's creation, the divine mandate for humans to care for the world, and the practical implications of the call for creation care in the lives of individuals and the church. Offered on demand.

ENVR 451 Environmental & Sustainability Studies Senior Seminar (2 credits) A capstone course during which students complete the final projects based on practicum experiences or directed research. A writing-enhanced course. Course fee: any costs of assessment materials. Prerequisite: senior standing and ENVR299. Offered on demand.

ENVR 489 Environmental & Sustainability Studies Practicum (1-6 credits) Assignment in a supervised situation involving observation and participation in environment-related fields. At least 35 hours of contact are required for each hour of credit. The practicum may be repeated for credit. The practicum is given by consent of the Environmental Studies Program Director and the designated instructor. Course fee: \$35. Offered on demand.

ENVR 490 Environmental & Sustainability Studies Directed Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Prerequisite: junior standing and ENVR299. Course fee: \$35. Offered on demand.

FINANCE

FIN 133 Individual Finance (1 credit) This course provides a general overview of personal finance and money management. Includes a review of various types of loans, types of credit, investing, and personal budgeting. Course fee: \$50.

FIN 233 Personal Finance (3 credits) Topics designed to assist the consumer in management of personal financial affairs. Includes insurance, savings instruments, banking, personal expenditures and budgeting, personal taxes, house buying, introduction to investments, and estate planning. Course fee: \$50. Prerequisite: Business or IT majors or consent. Offered spring and summer.

FIN 333 Principles of Business Finance (3 credits) Study of the finance function of the firm. Topics include financial statement analysis, ratios, cash budgeting, cost of capital and capital budgeting, debt and equity capital structures, types and evaluation of securities, and overview of securities markets. Course fee: \$100. Prerequisite: ACC 222 or ACC 335 and junior standing, or consent. Offered fall.

FRENCH

FRE 101 French I (3 credits) An introduction to the basic skills of listening, speaking, reading, and writing. Offered on demand.

FRE 102 French II (3 credits) A continuation of FRE 101. Prerequisite: FRE 101 or equivalent. Offered on demand.

FRE 201 French III (3 credits) Continuation of FRE 102. Prerequisite: FRE 102 or equivalent competence. 3 credits. Offered on demand.

FRE 202 French IV (3 credits) Continuation of FRE 201. Prerequisite: FRE 201 or equivalent competence. 3 credits. Offered on demand.

FORENSIC INVESTIGATIVE ACCOUNTING

FIA 101 Introduction to Forensic Investigative Accounting (3 credits): Forensic Investigative Accounting introduces students to the function of forensic investigative accounting in both civil and criminal cases. Theories of criminal behavior are covered and applied to specific circumstances. The various career options in the field are discussed and the unique character of each is explained. The criminal justice system in the United States is covered and the forensic investigative accountant's role in it is explained. FIA program students only. Course fee: \$50. Offered spring.

FIA 240 Rules of Evidence for Forensic Accounting Investigations (3 credits) A study of the rules of evidence with specific emphasis on application to preparing forensic investigative accounting reports for presentation as expert witness evidence. General admissibility tests are covered as well as witness testimony. The study is oriented to the study of civil rather than criminal process. Course fee: \$50. Prerequisite: FIA 101. Offered fall.

FIA 292-95 Forensic Investigative Accounting Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50.

FIA 321 Investigative Analytical Processes (3 credits): Interviewing methods and techniques that enhance the interpersonal communication process and increase the probability of a successful outcome are explored. Topics in forensic analytics are discussed, and methods of using forensic analytics to improve the efficiency of fraud investigations are applied. Course fee: \$50. Prerequisite: FIA 101. *A writing-enhanced course.* Offered spring.

FIA 451 CFE Exam Prep (3 credits) CFE Exam Prep is a comprehensive study of the four segments of the Certified Fraud Examiner (CFE) certification exam. The study material used is the official ACFE exam preparation study guide including study questions and practice tests that simulate the actual CFE Exam experience. The CFE Exam Prep Course will help students prepare to pass the rigorous CFE Exam. Course fee: \$50. Prerequisite: ACC 472. Offered on demand.

FIA 492-95 Forensic Investigative Accounting Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing. Course fee: \$50.

HISTORY

HIS 131 Western Civilization I (3 credits) Historical survey of Western civilization from ancient times to the Renaissance and Reformation with emphasis on the Greek, Roman, and medieval cultures. Offered fall.

HIS 132 Western Civilization II (3 credits) Historical survey of Western civilization from the development of the national state system in seventeenth century Europe to the challenges of the post-Cold War era. Offered spring.

HIS 133 United States History I (3 credits) Study of the history of the United States from colonial times through the Civil War with emphasis on the political life and economic and social trends that dominated the U.S. through the first half of the nineteenth century. Offered fall.

HIS 134 United States History II (3 credits) Growth of the United States politically from 1876 and for other phases of American life from 1860 with special attention to twentieth-century economic, social, and political development. Offered spring.

HIS 135 United States Government (3 credits) Basic principles, concepts, and institutions of American government with emphasis on the Constitution, its development, and the changes in its interpretation by the Supreme Court and the nation. Offered on demand.

HIS 201 Introduction to Politics (3 credits) This course introduces students to political theory, American government, comparative politics, and international relations. Offered spring, even-numbered years

HIS 231 Global Politics (3 credits) This course will introduce students to international relations theories (e.g., realism, liberalism, constructivism, Marxism); contemporary global issues (e.g., environment, economic development, human rights); and comparative political systems (e.g. parliamentary democracies, transitional democracies, communist and post-communist states, authoritarian regimes). *Fulfills diversity requirement.* Offered on demand.

HIS 232 Introduction to Geography (3 credits) This course will introduce students to the different subfields of geography, including physical geography, economic geography, political geography, cultural geography, and regional geography. Topics will include landforms, climate, natural resources, urbanization, migrations, national boundaries, languages, and religions *Fulfills diversity requirement.* Offered spring, odd-numbered years.

HIS 280 Historical Seminar International (1-4 credits) Offered as part of an international program and designed to provide a general introduction to a topical study of a broad cultural/historical perspective appropriate to the international itinerary, enhanced by visiting the historical sites, museums, and artifacts associated with the topical study. Specific course topics may vary according to the geographic region.

HIS 292-95 History Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

HIS 299 History Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

HIS 300 Historical Research and Methods (3 credits) An introduction to historiography and the analytical and research tools used in the history profession. *A writing-enhanced course.* Prerequisite: One previous HIS course and ENG 132, or consent of the instructor. Offered fall, even-numbered years.

HIS 301 West Virginia History (2 credits) A study of the formation of the state from its earliest historic beginnings; emphasizes economic, cultural, social, and political developments. Prerequisite HIS 133 or permission. Offered spring.

HIS 311 Colonial American History, 1607-1763 (3 credits) A study of the European background, discovery and settlement of the thirteen colonies; British colonial policy, religion, economic life, and cultural development. Offered on demand.

HIS 305 Environmental History (3 credits) A survey of how the environment has affected human societies, how the development of human societies has impacted the environment, and how human attitudes toward the environment have changed over time. Offered on demand.

HIS 312 American Revolution (3 credits) An in-depth examination of American history from 1763 to 1789, including the growing conflict between Britain and the North American colonies, the American War for Independence, the Articles of Confederation period, and the drafting and ratification of the Constitution. Examines the political, social, military, diplomatic, and cultural aspects of the era. Offered on demand.

HIS 313 Early American Republic (3 credits) An in-depth examination of American history from 1789 to 1848, including the War of 1812, the Market Revolution, the Second Great Awakening, and intense partisan competition. Examines the political, social, military, diplomatic, and cultural aspects of the era. Offered on demand.

HIS 314 Civil War and Reconstruction (3 credits) An in-depth examination of American history from 1848 to 1877, including the growing sectional conflict of the 1850s, the American Civil War, and postwar Reconstruction in the South. Examines the political, social, military, diplomatic, and cultural aspects of the era. Offered on demand.

HIS 315 Gilded Age and Progressive Era America (3 credits) An in-depth examination of American history from 1877 to 1920, including industrialization, Populism, Progressive reforms, American imperialism, and World War I. Examines the political, social, military, diplomatic, and cultural aspects of the era. Offered on demand.

HIS 316 Emergence of Modern America (3 credits) An in-depth examination of American history from 1920 to 1945, including the Roaring Twenties, the Great Depression, the New Deal, and World War II. Examines the political, social, military, diplomatic, and cultural aspects of the era. Offered on demand.

HIS 317 Contemporary American History, 1945-Present (3 credits) A study of the United States in the Cold War and post-Cold War eras, with emphasis on social, political, and economic developments. Offered on demand.

HIS 318 The Greco-Roman World (3 credits) An examination of the political, economic, social, intellectual, and religious development of Ancient Greece and Rome with special emphasis upon their contribution to the cultural heritage of the western world. Prerequisite: HIS 131, 132, 133, or 134, or consent of instructor. Offered on demand.

HIS 319 Medieval Europe, 376-1399 (3 credits) An examination of the political, social, economic, and religious foundations of the Medieval era of European history. Prerequisite: HIS 131, 132, 133, or 134, or consent of instructor. Offered on demand.

HIS 321 Modern European History, 1650-1900 (3 credits) A study of the most significant events, people, movements and ideas that occurred in Europe during the modern era, giving special attention to how and why many of these issues continue to influence Europe and the world. Prerequisite: HIS 132 or permission of instructor. Offered on demand.

HIS 323 Non-Western History (3 credits) This course is designed to provide students with an overview of non-Western (Asian, African, and Latin American) civilizations from ancient to modern times. Special attention will be given to those individuals, events, and other aspects of history which have made the most lasting impact on their geographic region and the contemporary world. *Fulfills diversity requirement.* Offered fall, odd-numbered years.

HIS 451 History Senior Seminar (3 credits) A capstone experience for history majors to complete a substantial final research project. Prepares students to enter workforce with a history major. *A writing-enhanced course.* Course fee: \$50. Prerequisite: HIS 299 and senior standing.

HIS 453 World History Since 1945 (3 credits) A study of the most significant events and people of the second half of the 20th century with particular attention given to how these have resulted in a globalization and interdependency of all aspects of modern life. Prerequisite: HIS 132 or permission of instructor. Offered on demand.

HIS 460 Women's History (3 credits) A study of the modern women's movement and the major contribution of women in both western and nonwestern cultures. Prerequisite: HIS 131, 132, 133 or 134, or consent of instructor. Offered fall, even-numbered years.

HIS 461 Renaissance and Reformation, 1400-1648 (3 credits) A study of cultural and economic developments of the Renaissance, and of the religious, political and social challenges of the Protestant Reformation. Prerequisite: ENG 132 and HIS 131 or permission of instructor. *A writing-enhanced course.* Offered on demand.

HIS 489 History Practicum (1-6 credits) Professional work experience in an external setting with appropriate reading and writing to support the experience. At least 35 hours of contact are required for each hour of credit. Prerequisite: HIS299.

HIS 490-1 History Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

HIS 492-95 History Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

HONORS

HNRS 110 Metadisciplinary Studies I (4 credits) This course is a systematic, comprehensive, and meta-integration of the isagogics of history, religion, ethics, literature, philosophy, the science

of archaeology, politics, government, business, military, warfare, language, geography, law, art, architecture, sculpture, education, social sciences, and natural sciences—produced by the Hebrews, Egyptians, Aegeans (Greeks), Chinese (Han Dynasty), and the Romans—with the locus being on the Life of Christ. This course will also examine the implications of the science of Textual Criticism of the New Testament documents. Original texts will be used in reading and studying original documents and artifacts from these cultures that will expose students to multiple frames of reference. Prerequisite: Acceptance into the MDS Honors Program. Offered fall.

HNRS 111 Metadisciplinary Studies II (4 credits) This course is a systematic, comprehensive, and meta-integration of the isagogics of history, religion, ethics, literature, philosophy, the science of archaeology, politics, government, business, military, warfare, language, geography, law, art, architecture, sculpture, education, social sciences, and natural sciences—produced by those of the Patristic Age/the Early Middle Ages through the High Middle Ages, and by those of the Italian & High Renaissance—with the locus being on **the reinterpretation of the New Testament books of Acts through the Revelation** from the Biblical authors' original and intended meaning. This course will also examine the Visual Arts (Painting, Sculpture & Architecture) and the implications of the rise of the modern town and business. Original texts will be used in reading and studying original documents and artifacts from these cultures that will expose students to multiple frames of references. Prerequisite: Acceptance into the MDS Honors Program. Offered spring.

HNRS 210 Metadisciplinary Studies III (4 credits) This course is a systematic, comprehensive, and meta-integration of the isagogics of history, psychology, religion, ethics, literature, philosophy, the science of archaeology, politics, government, business, military, warfare, language, geography, law, art, architecture, sculpture, education, social sciences, and natural sciences—produced by those of the Reformation; Early Mannerism; Northern Humanism and Baroque; by those of the Scientific, American, French & Industrial Revolutions; and by those of the Enlightenment/Age of Reason—with the locus being on Christian Thought/Ethics (Biblical doctrines/Christian conduct/living). This course will also examine in detail the American Revolution. Original texts will be used in reading and studying original documents and artifacts from these cultures that will expose students to multiple frames of references. Prerequisite: Acceptance into the MDS Honors Program. Offered fall.

HNRS 211 Metadisciplinary Studies IV (4 credits) This course is a systematic, comprehensive, and meta-integration of the isagogics of history, psychology, religion, ethics, literature, philosophy, the science of archaeology, politics, government, business, military, warfare, language, geography, law, art, architecture, sculpture, education, social sciences, and natural sciences—produced by those of the Romantic, Modernism, and Postmodernism periods—with the locus being on the Old Testament. This course will also explore the Fine & Performing Arts, Evangelicalism, the Space Age, The Technology-Information-Explanation Age, and Global Terrorism. Original texts will be used in reading and studying original documents and artifacts from these cultures that will expose students to multiple frames of references. Prerequisite: Acceptance into the MDS Honors Program. Offered spring.

HNRS 310 Metadisciplinary Studies V – Capstone Thesis/Project (1 credit) The MDS Honors Capstone Thesis/Project is the climaxing academic experience for all *Metadisciplinary Studies Honors* students. The capstone thesis/project is not a course, but weekly sessions of a minimum of one hour a week during four semesters with the MDS Honors Director and the student's Primary Mentor. The Capstone Thesis/Project is an opportunity to conduct extensive, continuous, and original meta-research engaging in a creative *metadisciplinary* thesis or project in the student's area of interest and specialization. With faculty guidance, students are expected to conduct research and demonstrate thesis-writing skills and/or project management skills, in producing an original thesis and/or written technical report or analysis of a project, and to provide a presentation summarizing the scope and results of their work. The MDS Honors Capstone Thesis/Project is completed during the final four semesters (junior & senior levels) at OVU. Prerequisite: Acceptance into the MDS Honors Program. Offered fall.

HNRS 311 Metadisciplinary Studies VI – Capstone Thesis/Project (1 credit) Continued study, research and writing effort for the required MDS Honors Capstone Thesis/Project for all MDS Honors students. Prerequisite: Acceptance into the MDS Honors Program. Offered spring.

HNRS 410 Metadisciplinary Studies VII – Capstone Thesis/Project (1 credit) **Continued** study, research and writing effort for the required MDS Honors Capstone Thesis/Project for all MDS Honors students. Prerequisite: Acceptance into the MDS Honors Program. Offered fall.

HNRS 411 Metadisciplinary Studies VIII – Capstone Thesis/Project (1 credit) **Continued** study, research and writing effort for the required MDS Honors Capstone Thesis/Project for all MDS Honors students. Prerequisite: Acceptance into the MDS Honors Program. Offered spring.

HUMANITIES

HUM 101 Chapel in Service to God and Humanity (1 credit) Students maintain faithful attendance at daily chapel and volunteer 10 hours of community service with an approved community organization or agency as determined by the University. May be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Grade basis is Pass/Fail.

HUM 121 Introduction to Fine Arts (3 credits) This course is designed for students who have little to no experience with the arts. It is designed to be an introduction to multiple art forms, such as visual art, architecture, sculpture, music, theatre, and film. Students will become familiar with the basic terminology, genre, and creation process associated with each artistic discipline and will gain a better understanding for how to view, listen to, and experience each art form. Emphasis will be placed on the artistic experience; therefore, central to the course will be trips to such things as concerts, art galleries, and plays. Offered spring.

HUM 280 Introduction to Fine Arts International (0-3 credits) This course is offered as part of a study abroad program and is designed to provide a general introduction to multiple art forms, such as painting, architecture, sculpture, music, and theatre. Students will become familiar with the basic terminology, nature, style, and history of the relevant art forms that will be encountered through the itinerary of the study abroad program, and students will gain a better understanding of how to experience and appreciate each art form. Essential to the course will be visiting the sites, galleries, museums, theatres, and artifacts associated with the topical study. Specific course topics will vary according to the geographic region visited.

HUM 292-95 Humanities Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

HUM 299 Humanities Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

HUM 451 Senior Seminar (3 credits) A capstone project which involves choosing a specific vocation that reflects the student's interest and academic background. The project will include doing background research in that occupational field, including job descriptions, prospects for employment, job qualifications, and interviewing a person currently employed in that field. A portfolio will be prepared which includes these items as well as other information, such as a resume, examples of written work, letters of recommendation, and an essay on how the student's degree program helped in preparing for this type of occupation. The course will also include a volunteer community service component. *A writing-enhanced course.* Course fee: \$25. Prerequisite: HUM 299.

HUM 489 Humanities Practicum (1-6 credits) Professional work experience in an external setting with appropriate reading and writing to support the experience. At least 35 hours of contact are required for each hour of credit. The practicum can be repeated for credit.

HUM 490-1 Humanities Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

HUM 492-95 Humanities Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

LITERATURE

LIT 235 Western Literature through the Renaissance (3 credits) This course surveys literature of Western cultures from ancient civilizations through the seventeenth century. Focus is on discussion of and response to primary texts. Prerequisite: ENG 132 or consent of instructor.

LIT 236 Western Literature since the Enlightenment (3 credits) This course surveys literature of Western cultures from early eighteenth century through late twentieth century. Focus is on discussion of and response to primary texts. Prerequisite: ENG 132 or consent of instructor.

LIT 292-95 Literature Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

LIT 301 American Literature to 1865 (3 credits) Survey of American literature from the colonial period through 1865. Prerequisite: LIT 235 or 236. Offered fall, odd-numbered years.

LIT 302 American Literature since 1865 (3 credits) Survey of American literature since 1865. Prerequisite: LIT 235 or 236. Offered spring, even-numbered years.

LIT 305 Environmental Literature (3 credits) A survey of literature focusing on the relationship between human beings and the natural world. Emphasis on discussion of and response to primary texts. Offered on demand.

LIT 309 Short Story (3 credits) A study of short fiction from different cultures and time periods. Emphasis is placed on setting, character, plot point of view, symbol, theme, and style. Attention will be given to different kinds of critical interpretation and to literary analysis. Prerequisite: ENG 132 and either LIT 235 or 236. *A writing-enhanced course.* Offered fall, odd-numbered years.

LIT 310 Novel (3 credits) A study of selected novels primarily from the western tradition. Emphasis is placed on the author, setting, character, plot, point of view, symbol, theme, and style. Literary criticism and analysis are also considered. Prerequisite: LIT 235 or 236. Offered fall, even-numbered years.

LIT 313 Poetry (3 credits) A study of poetry structured on the rhetorical strategies of the genre: voice, pattern, image, metaphor, symbol, diction, form, and tone. Prerequisite: ENG 132 and either LIT 235 or LIT 236. *A writing-enhanced course.* Offered spring, even-numbered years.

LIT 314 Dramatic Literature (3 credits) A study of dramatic literature from the classical period to the modern era. Emphasis is placed on a close reading of the texts, on the characteristics and vocabulary of the genre, and on the production styles of each time period. Prerequisite: ENG 132 and either LIT 235 or LIT 236. *A writing-enhanced course.* Offered spring, odd-numbered years.

LIT 411 Foundations of Literary Theory (3 credits) Analysis and application of a variety of trends in literary criticism and literary theory. Prerequisite: LIT 235 or LIT 236. Offered spring, odd-numbered years.

LIT 441 British Literature to 1800 (3 credits) Survey of British literature from Beowulf through Samuel Johnson. Focus is on discussion of and response to primary texts. Prerequisite: LIT 235 or 236 or permission of instructor. Offered fall, even-numbered years.

LIT 442 British Literature since 1800 (3 credits) Survey of British literature from William Blake through contemporary writers. Prerequisite: LIT 235, 236 or permission of instructor. Offered spring, odd-numbered years.

LIT 446 Shakespeare (3 credits) A study of a representative sample of Shakespeare's works. Prerequisite: LIT 235 or LIT 236. Offered fall, even-numbered years.

LIT 490-1 Literature Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

LIT 492-95 Literature Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

MATHEMATICS

MAT 080 Concepts of Mathematics (3 credits) A review of the basic computations and operations on whole numbers, integers, and rational numbers. Designed to develop skill in the use of whole number operations, fractions, decimals, percentages, proportion, equation concepts, elementary algebra, and units of measure. Grade basis is *A*, *B*, or *F*. Does not fulfill the mathematics general education requirement. Students who have a score on the math portion of the ACT of 17 or below (or below 430 on the math portion of the SAT) are enrolled in this course. Institutional credit only; this course is designed to prepare students for college-level work—it does not fulfill graduation requirements, and the grade earned does not affect the student's GPA. Course fee: \$125. Offered on demand.

MAT 090 Concepts of Algebra (3 credits) A review of basic concepts in algebra and geometry, including topics such as variable expressions, linear equations, polynomials, inequalities, radical expressions, and the Pythagorean Theorem. Grade basis is *A*, *B*, or *F*. Does not fulfill the general education mathematics requirement. Prerequisite: MAT 080 or equivalent; score of 18 on the math portion of the ACT (or 430-440 on math portion of the SAT). Institutional credit only; this course is designed to prepare students for college-level work—it does not fulfill graduation requirements, and the grade earned does not affect the student's GPA. Course fee: \$125. Offered fall, and in spring on demand.

MAT 146 Real World Algebra and Quantitative Reasoning (3 credits) Real world, practical problem solving. An application of quantitative reasoning, quantitative literacy, and numeracy. Topics include drawing and analyzing graphs, properties of numbers, infinity, geometry, probability, proportions, statistics, money sense, and imaginary numbers. Prerequisite: MAT 090 or at least a 19 on the mathematics section of the ACT (or 450 on the SAT). Offered on demand.

MAT 147 Intermediate Algebra (3 credits) Preparatory course for college algebra. Designed for students enrolling with fewer than one and a half years of algebra coursework in high school. Prerequisite: MAT 090 or at least a 19 on the mathematics section of the ACT (or 450 on the SAT).

MAT 149 Mathematics for Teachers I (3 credits) Sets and set operations, logic, number systems, operations and bases; introduction to algebraic operations; emphasis on the needs of the elementary teacher. Prerequisite: MAT 090 or equivalent or at least a 19 on the mathematics section of the ACT (or SAT equivalent). Offered fall.

MAT 151 College Algebra (3 credits) Numeric and algebraic operations and applications within the study of linear, quadratic, polynomial, rational, radical absolute value, logarithmic, and exponential functions, relations and inequalities. Solving equations, variation, counting techniques, determinants, and probability are also discussed. Prerequisite: MAT 147 or equivalent, or at least a 20 on the mathematics section of the ACT (or 500 on the SAT), or consent of instructor.

MAT 152 Trigonometry (3 credits) Trigonometric functions, the right triangle, trigonometric identities and equations, addition formulas, the oblique triangle, logarithms, and the solution of all triangles. Prerequisite: MAT 151 or equivalent, or at least a 22 on the mathematics section of the ACT (or 540 on the SAT), or consent of instructor. Offered on demand.

MAT 153 Precalculus (3 credits) Graphs, inverses, and operations of functions. Study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Additional topics from trigonometry and analytic geometry. Prerequisite: MAT 151 or equivalent, or at least a 22 on the mathematics section of the ACT (or 540 on the SAT), or consent of instructor. Offered spring.

MAT 229 Introduction to Statistics (3 credits) A mathematical development of the basic techniques of descriptive and inferential statistics including methods of analysis and presentation. Includes hypothesis testing and correlation and regression. Prerequisite: MAT 147 or higher, or at least a 22 on the mathematics section of the ACT (or 540 on the SAT), or consent of instructor. Students cannot earn credit for both MAT 229 and PSY 229. Offered fall.

MAT 292-95 Mathematics Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

MAT 241 Calculus I (4 credits) Limits, continuity, and differentiation. Applications to curve sketching, optimization, rates of change, and linear approximations. Introduction to antiderivatives and definite integrals. Prerequisite: high school trigonometry or precalculus and one of the following: (1) MAT 151 and either MAT 152 or 153; or (2) at least a 28 on the mathematics section of the ACT (or 680 on the SAT); or (3) consent of instructor. Offered fall.

MAT 242 Calculus II (4 credits) Continuation of MAT 241. Integral calculus, techniques and applications of integration, volumes, areas, arc lengths, and surface areas. Indeterminate forms of integration. Infinite sequences and series. Prerequisite: MAT 241. Offered spring.

MAT 251 Math for Teachers II (3 credits) A study of geometry, probability, and statistics from the elementary school perspective. Prerequisite: MAT 147 or higher, or consent. Offered spring.

MAT 255 Discrete Mathematics (3 credits) This course is an introduction to the mathematics of computer science, including algorithms, combinatorics, number theory, set theory, graph theory, Boolean algebra, functions, relations, binomial theorem, and computability. Prerequisite: MAT 151, a 22 on the mathematics section of the ACT (or 540 on the SAT), or consent of the instructor. Offered fall, even-numbered years.

MAT 289 Mathematics Practicum (1-2 credits) Completion of supervised tutoring and teaching assignments as specified in a mathematics learning contract, including documentation of activities and reflective paper. At least 35 hours of contact are required for each hour of credit. Prerequisite: Sophomore standing and permission of math faculty.

MAT 290-295 Seminar in Mathematics (1-6 credits) Seminar on selected topics in mathematics. Offered on demand.

MAT 299 Mathematics Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

MAT 301 Calculus III (3 credits) Calculus of several variables and elements of vector analysis and applications, including partial derivatives, multiple integrals, gradient, line integrals, surface integrals, divergence and curl of vector functions. Prerequisite: MAT 242. Offered fall.

MAT 310 Foundations of Geometry (3 credits) Topics include axiomatic method, triangles and circles, parallelism, constructions, and modern concepts of Euclidean geometry. Prerequisite: MAT 241. Offered fall, odd-numbered years.

MAT 321 Statistical Methods (3 credits) A mathematically based view of statistics including a brief review of probability, studies of discrete and continuous probability distributions, applications of statistical inference, and sampling distribution theory. Prerequisites: MAT 229 and MAT 242. Offered spring, odd-numbered years.

MAT 325 Foundations of Mathematics (3 credits) Introduces the art of the mathematical proof. Gives an overview of basic ideas and techniques from abstract mathematics, and prepares the student who will take upper-level abstract mathematics courses. Topics covered may include logic, set theory, mathematical induction, relations and orders, functions, equivalence relations and cardinality. Prerequisite: MAT 242. Offered fall, odd-numbered years.

MAT 340 Linear Algebra (3 credits) Systematic study of finite dimensional vector spaces and linear transformations. Dependence, dimension, determinants, eigenvalues and eigenvectors, and canonical forms. Prerequisite: MAT 241. Offered spring, odd-numbered years.

MAT 350 Mathematical Modeling (3 credits) This is a course on analyzing data and creating mathematical models from the data. There will also be an emphasis on analyzing a given model, to see what the underlying assumptions are, and how well these assumptions fit the scenario at hand. This course will also give the students experience in using mathematical software in real-world situations. Prerequisite: ENG 132 and MAT 151 or consent of instructor. Offered spring, odd-numbered years.

MAT 401 Differential Equations with Numerical Methods (3 credits) Introduction to differential equations. First order differential equations, linear differential equations, and numerical methods such as Runge-Kutta methods. Prerequisite: MAT 301. Offered spring.

MAT 410 Abstract Algebra (3 credits) Topics include concepts from set theory, number systems, groups, rings, and fields. Prerequisite: MAT 325. Offered spring, even-numbered years.

MAT 420 History of Mathematics (3 credits) Gives a survey of the historical developments and achievements in mathematics from ancient civilizations to the modern era with emphasis on its integral role in the development of civilization. Prerequisite: MAT 241. Offered on demand.

MAT 421 Probability (3 credits) Random variables and their distributions, statistical inference, limited theorems, and consideration of probability as a mathematical system. Prerequisite: MAT 321 or instructor consent. Offered on demand.

MAT 430 Introduction to Real Analysis (3 credits) This course emphasizes analysis and applications in multiple math areas, including sequences, convergence, limits, continuity, definite integrals and derivatives, differentials, functional dependence, multiple integrals, and series of functions. Prerequisite: MAT 242 and MAT 325. Offered on demand.

MAT 451 Mathematics Senior Seminar (3 credits) A capstone course designed as a culmination of knowledge and skills acquired during the program. Students will complete a research project on an approved topic under supervision of faculty. Prerequisite: Senior standing or faculty approval with a 2.5 GPA, MAT 299, and a minimum of 30 credit hours toward major coursework. Course fee: \$25. Offered on demand

MAT 490-1 Mathematics Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

MAT 492-95 Mathematics Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

MANAGEMENT

MGT 230 Principles of Management (3 credits) Introduction to the management process of planning, organizing, controlling, comparing and contrasting leadership versus management, and the history and development of management theory. Course fee: \$200. Prerequisite: BUS 121. Offered fall and summer.

MGT 292-95 Management Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50.

MGT 331 Management Information Systems (3 credits) Study of manual and computer-based information systems used to support managerial decision making, including input, processing, output, and storage systems, systems design and managerial control of information systems. Course fee: \$50. Prerequisite CIT 142. Offered spring.

MGT 333 Introduction to Operations Management (3 credits) Study of the management of operations systems used to produce both goods and services, including system design and analysis. Topics covered and related tools include process analysis, productivity, variety, responsiveness, and quality. Course fee: \$50. Prerequisites: Math above MAT 147 and MGT 230. Offered spring, odd-numbered years.

MGT 334 Employee Relations (3 credits) Study of the labor movement in the U.S., including historical background, current organization and practice of the American labor movement, principles of collective bargaining, U.S. labor law, and current labor-management issues. Course fee: \$50. Prerequisite: ECO 237 or 238. Offered spring, odd-numbered years.

MGT 336 Organizational Concepts (3 credits) Interdisciplinary study of behavioral science management and organizational theory. Study of organizational environments, structure, and behavior, with special emphasis placed on theories of leadership, motivation, formal and informal structures, communication, and group processes. Course fee: \$100. Prerequisites: MGT 230 or consent. Offered fall, odd-numbered years.

MGT 399 Management Internship (1-3 credits) Professional work experience in an external organization (pre-arranged and pre-approved internship) supervised by a faculty member. Fifty hours of work per credit hour, plus written assignments. Course fee: \$50. Prerequisite: Business Management or Human Resource Management major with minimum of 64 credit hours, cumulative GPA of 2.0, business coursework GPA of 2.5, and approval of school chair. Offered fall, spring, and summer.

MGT 430 Entrepreneurship & Small Business Management (3 credits) Examination of issues involving the creation and management of new business ventures; overview of managerial, financial, and legal issues affecting small business firms. Course fee: \$50. Prerequisite: ECO 236, 237 or 238, ENG 132, MGT 230, and junior standing, or consent. *A writing-enhanced course.* Offered fall.

MGT 431 Human Resource Management (3 credits) Study of employer/employee relationships, personnel policies and administration, recruitment, training, supervision, and discipline issues. Course fee: \$50. Recommended: MGT 230 and junior standing. Offered fall.

MGT 433 Organizational Leadership (3 credits) Study of the major theories of leadership, examines the types of leader power, traces the scholarly history of leadership theory development, and integrates modern leadership case studies using business, government, and military examples. Course fee: \$200. Prerequisite: MGT 230 and junior standing, or consent. Offered summer, and in fall or spring on demand.

MGT 436 Compensation and Benefits (3 credits) An introduction to the management of employee compensation and benefits. Topics include evaluation systems, reward systems, legal and government constraints, wage and salary structures, incentive-based compensation, health and retirement benefits, and administration. Course fee: \$50. Recommended: MGT 431 and junior standing. Offered spring, even-numbered years.

MGT 451 Employment Law (3 credits) Survey of the legal principles guiding the employer-employee relationship. Examines laws regulating hiring, job opportunity, discrimination, affirmative action, sexual harassment, wages, benefits, privacy rights, health safety, employment at will, layoffs and termination. Course fee: \$50. Prerequisites: BUS 431 and MGT 431. Offered spring, odd-numbered years.

MGT 490-1 Management Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Course fee: \$50.

MGT 492-94 Management Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing. Course fee: \$50.

MARKETING

MKT 230 Principles of Marketing (3 credits) An introduction to the fundamentals of marketing that cover product development, distribution, promotion, and pricing with emphasis on developing a managerial point of view in planning, and evaluating market decisions. Course fee: \$150. Prerequisite: BUS 121. Offered spring and summer.

MKT 292-95 Marketing Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50.

MKT 331 Consumer Behavior (3 credits) A study of the influence of social and psychological factors upon the behavior of buyers. Topics include the consumer decision process and how it impacts marketing strategy. Course fee: \$50. Prerequisite: BUS 121. Offered fall.

MKT 332 Promotional Strategies (3 credits) Analysis of the uses of various promotions in formulating an overall consumer communication strategy. Topics include advertising, publicity, sales promotion, creative strategies, evaluation of results, and the advantages and disadvantages of differing media and vehicles in reaching the target audience. Course fee: \$100. Prerequisite: MKT 230 or consent. Offered spring, odd-numbered years.

MKT 333 Professional Selling (3 credits) This course covers the fundamentals of selling, sales theory, and sales techniques. Through the use of classroom instruction, role-playing, demonstrations, and sales presentation the student builds skills necessary to succeed in the dynamic world of the corporate sales executive. The personal qualifications required for effective selling are reviewed. Course fee: \$50. Prerequisite: MKT 230 or consent. Offered fall, even-numbered.

MKT 399 Marketing Internship (1-3 credits) Professional work experience in an external organization (pre-arranged and pre-approved internship) supervised by a faculty member. Fifty hours of work per credit hour, plus written assignments. Course fee: \$50. Prerequisite: Marketing major with minimum of 64 credit hours, cumulative GPA of 2.0, business coursework GPA of 2.5, and approval of the school chair. Offered fall, spring, or summer

MKT 430 Marketing Management (3 credits) An advanced study of the practices and policies of sales and marketing management in major business firms. The course includes the study of markets, market trends, sales organization, sales planning and forecasting, sales promotion, advertising, and consumer relations. Course fee: \$150. Prerequisite: A minimum of 9 hours in previous marketing coursework or consent. Offered spring, even-numbered years.

MKT 432 Marketing Research (3 credits) A study of the research methods and techniques applicable to problem solving in marketing. Topics include the planning and execution of market research projects, primary and secondary data collection, use of statistical methods, questionnaire design, interview methods, sampling tabulation, and report writing. Course fee: \$50. Prerequisite: MKT 230, MAT 229, or consent. Offered fall, odd-numbered years.

MKT 490-1 Marketing Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Course fee: \$50.

MKT 492-95 Marketing Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50. Prerequisite: Junior standing.

MUSIC

MUS 100 Music Recital Attendance (0 credits) Students are required to attend a select number of concerts and performances each semester, both on campus and in the community. Required for students pursuing a minor in music. Grade basis is pass/no grade.

MUS 103 Class Piano I (1 credit) An introductory course in piano for beginners that emphasizes basic musical concepts of rhythm, notation and keyboard theory. Develop skills of musical expression through performance of solo and ensemble piano music. Meets for one hour each week.

MUS 104 Class Piano II (1 credit) A continuation of MUS 103. Prerequisite: MUS 103 or permission from instructor. Meets for one hour each week.

MUS 110-112, 114 Participation in Performance Ensembles A maximum of four credit hours toward a degree may be earned in each ensemble, but students may participate in any or all of the ensembles each semester, subject to the approval of the director.

MUS 110 Chamber Players (1 credit) An instrumental ensemble of two to eight players who perform classical music. The group performs on campus each semester and for other occasions as requested. Open by audition.

MUS 111 Jazz Ensemble (1 credit) Students perform jazz standards of all styles and periods in a "big band" format of saxophone, brass, and rhythm sections. The group rehearses several hours per week. Course fee: \$35. Open by audition.

MUS 112 A Cappella Singers (1 credit) Ohio Valley's oldest and largest music ensemble. The group performs a wide variety of a cappella choral music including hymns, spirituals, and contemporary choral works. Rehearses several hours each week; audition is required. The A Cappella Singers travels a few weekends during the academic year and presents a concert on campus each semester. All members pay a course fee of \$65; first-year members also pay a \$100 fee for apparel.

MUS 114 Express (1 credit) Ohio Valley's Contemporary Christian ensemble. Audition and interview are required. This group travels extensively throughout the United States on its annual summer tour as well as during the school year. Emphasis is placed not only on musical and vocal talent, but also on each member's ability to communicate effectively with prospective students. Auditions and subsequent interviews for available positions in this ensemble are held each spring on campus. Students rehearse extensively in the summer and during the school year.

Private Instruction in Piano, Voice, Brass, Percussion, String, and Woodwind (variable credit) The teacher will determine a student's level of ability and prescribe an individualized program of study to maximize student achievement. One 30-minute lesson per week and 30 minutes of practice per day constitute one hour of credit. Students planning to major in music should take two credits per semester. After completing two semesters of study, students who wish to receive more intensive private training will register for the 300-level lesson. Private instruction courses may be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Course fee: \$320 per credit hour. Prerequisite: Consent of the instructor.

MUS 113 Private Piano (1-2 credits) For description, see above: "Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind."

MUS 115 Private Voice (1-2 credits) For description, see above: "Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind."

MUS 116 Private Brass (1-2 credits) For description, see above: "Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind."

MUS 117 Private Percussion (1-2 credits). For description, see above: "Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind."

MUS 118 Private String (1-2 credits). For description, see above: "Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind."

MUS 119 Private Woodwind (1-2 credits) For description, see above: "Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind."

MUS 121 Music Appreciation (3 credits) A survey of the history of Western music beginning with the Middle Ages and continuing throughout the twentieth century. Emphasis is placed on learning to listen critically to all styles of music and to gain fluency in describing and writing about music. Much time is devoted to understanding music in a cultural context. No prior musical knowledge is necessary. Offered spring.

MUS 122 Song Leading and Worship Skills (1 hour) Basic fundamentals of song leading—using a pitch pipe, recognizing key and time signatures, learning basic conducting patterns and better use of the voice. Worship planning, public prayer and public reading of scripture. Offered on demand.

MUS 131 History of Rock (3 credits) A survey of the history of American popular music of the twentieth and twenty-first centuries. This course focuses on both significant events and performers as well as on listening/analytical skills. Offered fall.

MUS 141 Music Theory I (3 credits) A detailed study of the components that make up the language of music. Melody, rhythm and diatonic harmony are analyzed through listening, performing and writing. Many concepts of music theory will be applied at the piano keyboard. Co-requisite: MUS 143. Offered fall.

MUS 142 Music Theory II (3 credits) A continuation of MUS 141. Prerequisite: MUS 141 or permission of instructor. Co-requisite: MUS 144. Offered spring.

MUS 143 Sight Singing/Ear Training I (1 credit) The study of how to sing music “at sight” and the opposite, how to write music that is heard. Emphasis is placed on singing combined with rhythmic, melodic and harmonic dictation. Co-requisite: MUS 141. Offered fall.

MUS 144 Sight Singing/Ear Training II (1 credit) A continuation of MUS 143. Prerequisite: MUS 143 or permission of instructor. Co-requisite: MUS 142. Offered spring.

MUS 221 Music Literature (3 credits) A survey of the history and literature of Western music, with specific emphasis on developing styles and the primary masterworks of each style period. Secondary emphasis will include general music history and the lives of the great composers. Prerequisite: MUS 142 and 144. Offered fall, odd-numbered years.

MUS 241 Music Theory III (3 credits) The study of chromatic harmony and atonal music, including written theory (notation and part writing), keyboard harmony, and analysis of the large forms. Prerequisite: MUS 142 and 144. Co-requisite: MUS 243. Offered fall.

MUS 242 Music Theory IV (3 credits) A continuation of MUS 241. Prerequisite: MUS 241 and 243. Co-requisite: MUS 244. Offered spring.

MUS 243 Sight Singing/Ear Training III (1 credit) Includes rhythmic, melodic, and harmonic dictation and sight singing of chromatic melodies and chord progressions. Prerequisite: MUS 142 and 144. Co-requisite: MUS 241. Offered fall.

MUS 244 Sight Singing/Ear Training IV (1 credit) A continuation of MUS 243. Prerequisite: MUS 241 and 243. Co-requisite: MUS 242. Offered spring.

MUS 292-95 Music Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

MUS 313 Private Piano (1-3 credits) For description, see above: “Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind”

MUS 315 Private Voice (1-3 credits) For description, see above: “Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind.”

MUS 316 Private Brass (1-3 credits) For description, see above: “Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind.”

MUS 317 Private Percussion (1-3 credits) For description, see above: “Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind.”

MUS 318 Private String (1-3 credits) For description, see above: “Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind.”

MUS 319 Private Woodwind (1-3 credits) For description, see above: “Private instruction in Piano, Voice, Brass, Percussion, String, and Woodwind.”

MUS 394 Music History I (3 credits) The first half of a survey of music history, culture and style. Topics will include western music from the ancient period through the Classical Period and applicable contexts. Working knowledge of music theory and notation assumed. Offered on demand.

MUS 395 Music History II (3 credits) The second half of the survey of music history, culture and style. Topics will include music of the Romantic and Modern Periods and applicable contexts. Working knowledge of music theory and notation assumed. Offered on demand.

MUS 421 Form and Analysis (3 credits) The study of techniques for the analysis of musical form, including small scale forms such as Binary and Ternary forms and large scale forms such as Sonata-Allegro and Rondo forms. The course also introduces techniques for analyzing twentieth century music. Prerequisite: MUS141, MUS142, MUS241. Offered on demand.

MUS 422 Conducting (3 credits) A practical, experienced-based study of conducting techniques and rehearsal procedures. Offered on demand.

MUS 423 Orchestration and Arranging (3 credits) An introduction to the techniques and processes involved in scoring and arranging music for various instrumental and vocal ensembles. Prerequisite: MUS141, MUS142, MUS241. Offered on demand.

MUS 490-1 Music Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

MUS 492-95 Music Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

NATURAL SCIENCE

NSC 131 Foundations of Biology I (4 credits) This course is an introduction to the basic principles of biological inquiry and the biology of living organisms, including a focus on the human organism. Biological applications for health, the influence of biological science on society, and societal influences on biological science will be addressed. This course fulfills biology requirement for students majoring in sport management, wellness education, and wellness; this course will not fulfill any requirements for students majoring in the sciences. Course fee: \$35. Lecture, 3 hours; lab, 2 hours.

NSC 135 Introduction to General Chemistry (4 credits) A general education course for liberal arts students and for allied health students. The course engages students in three broad study areas. (a) Fundamental principles of chemistry: topics include the atomic structure, chemical bonds, stoichiometry, and radioactivity; introductory topics in organic chemistry and biochemistry are also presented. (b) Health applications in chemistry: dealing with chemistry and medicine, sports and genetic revolution. (c) Societal applications in chemistry: topics include forensic science, environmental chemistry and warfare. Lecture, 3 hours; lab, 3 hours. Does not apply to a major or a minor in the sciences. Cannot be used as a substitute for NSC 145. Course fee: \$35. Prerequisite: Math ACT score of at least 19 (or equivalent SAT score) or MAT 147; high school general science or permission of the instructor. Offered on demand.

NSC 141 General Biology I (4 credits) This course, which is designed for those who plan to major in a science-related area, is a study of the basic principles of animal biology including the human organism, taxonomy, and genetics. The course is designed for students majoring in the sciences, though other students may take it. Course fee: \$35. Lecture, 3 hours; lab, 2 hours. Offered fall.

NSC 142 General Biology II (4 credits) An in-depth study of the principles of biology including the biochemistry of living organisms, ecology, botany, and a study of the characteristics of the organisms in the five kingdoms. Course fee: \$35. Prerequisite: one college science course; NSC 141 would be helpful, but is not essential. Lecture, 3 hours; lab, 2 hours. Offered spring, even-numbered years.

NSC 145 General Chemistry I (4 credits) A study of the basic principles of chemistry to include atomic theory, chemical bonding, stoichiometry, periodicity, qualitative analysis, and quantitative relationships in chemical and physical processes. Problem solving is emphasized. Course fee: \$35. Lecture 3 hours, Lab, 3 hours. Prerequisite: Math ACT score of 23 or higher, or permission of instructor. Offered fall.

NSC 146 General Chemistry II (4 credits) A continuation of NSC 145 with an emphasis on solution chemistry, acid base equilibria, solubility, kinetics, electrochemistry, quantitative analysis and thermodynamics. Course fee: \$35. Lecture, 3 hours; lab, 3 hours. Prerequisite: NSC 145 or the equivalent. Offered spring.

NSC 148 General Physical Science (4 credits) A survey of the principles of astronomy, geology, meteorology, chemistry, and physics. Emphasis will be given to the processes of science as well as the content and to the application of technology to problem-solving. Course fee: \$35. Lecture: 3 hours; Lab: 2 hours. Prerequisite: Math ACT score of at least 22, or MAT 147 or higher. Offered fall.

NSC 150 Twenty-First Century Science (4 credits) This course builds foundational knowledge in contemporary science topics including environmental pollution and control, science and politics of climate change, physics and economics of global energy, genetic revolution, and the confrontations between science, religion and social ethics in areas such as abortion and animal rights. The course applies interactive teaching and learning approaches, which include video presentations, classroom debates/presentations, lab activities, online research and field trips. Course fee: \$35. Lecture, 3 hours; Lab, 3 hours. Offered on demand.

NSC 210 Human Anatomy and Physiology I (4 credits) An introduction to the normal structure and function of the human body. The course covers principles of the chemistry compounds (biochemistry), cells, tissue, and organs of the body. Four systems are studied for gross and microscopic anatomy and normal functioning; these are integumentary, skeletal, muscular, and nervous systems. The lab work emphasizes microscopic work on cells and tissues, study of bones and tissues, and dissections of brain and eyeball. Course fee: \$35. Lecture 3 hours, lab 3 hours. Prerequisite or co-requisite: NSC 135 or equivalent. Offered fall. Students cannot earn credit for both NSC 210 and NSC 310.

NSC 211 Human Anatomy and Physiology II (4 credits) Continuation of NSC 310. This class includes study of the respiratory, circulatory (blood, heart, vessels), lymphatic, urinary, digestive, endocrine, and reproductive systems. Normal anatomy and physiology is emphasized, but some pathology is included. Lab work includes dissection of body systems, plus selected physiology experiments in respiratory volumes, blood and blood genetics, urinalysis, and digestion rates. Critical thinking is developed using clinical examples. The students conduct research as group projects, such as nutrition, development of science events for teens, or clinical interviews. Course fee: \$35. Lecture 3 hours, lab 3 hours. Prerequisites: NSC 210 and NSC 135 or equivalents. Offered spring. Students cannot earn credit for both NSC 211 and NSC 311.

NSC 231 Introduction to Astronomy (4 credits) An introduction to the study of the Universe, including the latest theories on the origin of the Universe, the solar system and the Earth. Covered will be the origin of galaxies, stars, planets, asteroids, meteoroids, comets, etc., stressing modern techniques of gathering information about the Universe. Course fee: \$35. Lecture 3 hours, lab 2 hours. The lab portion of the course will include observations of the sky, use of telescopes, and use of the celestial sphere and star charts. May also include planetarium visits and other astronomy-related field trips. Offered on spring, even-numbered years.

NSC 232 Physical Geology (4 credits) A general education course for students who seek to understand the origin and operation of planet Earth in the context of modern science and Christian religion. The key topics include the origin, composition, structure, and processes of the Earth. The physical, chemical, and biological processes that shape the Earth are studied in light of the concept of global plate tectonics and the interaction of Earth's subsystems. Students are engaged in related contemporary science such as GIS applications and satellite Earth observation data for mapping and analyzing geologic features. Also, students undertake field visits to interesting geologic sites. Course fee: \$35. Lecture 3 hours, lab 2 hours. Offered spring, odd-numbered years.

NSC 244 Physics I (4 credits) A study of the principles of physics to include mechanics, heat, and wave motion. Course fee: \$35. Lecture, 3 hours; lab, 3 hours. Prerequisite (or co-requisite): MAT 151 or higher; or at least a 26 on the mathematics section of the ACT (or 620 on the SAT), or permission of the instructor. Offered fall, odd-numbered years.

NSC 245 Physics II (4 credits) A continuation of NSC 244 with an emphasis on electricity, magnetism, and optics. Course fee: \$35. Lecture, 3 hours; lab, 3 hours. Prerequisite: NSC 244. Offered spring, even-numbered years.

NSC 246 Organic Chemistry I (4 credits) Study of characteristic reactions, synthesis, and stereochemistry of major classes of organic compounds using a mechanistic approach. Classes of compounds studied include alkanes, alkyl halides, alkenes, and alcohols. Mechanisms studied include: free radical halogenation, nucleophilic substitution, nucleophilic addition, and electrophilic addition. Includes lab portion which provides an introduction to microscale techniques of organic chemistry preparation and purification. Techniques studied will be re-crystallization, distillation, extraction and preparation of simple aliphatic compounds. Course fee: \$35. Lecture 3 lecture hours, 3 lab hours. Prerequisites: NSC 146 or equivalent. Offered fall, odd-numbered years.

NSC 247 Organic Chemistry II (4 credits) Continuation of NSC 246 to include spectroscopic methods, theory and interpretation. Classes of compounds studied include alkynes, aromatics, carbonyls, amides, amines, and synthetic polymers. Mechanisms studied include electrophilic aromatic substitution, Aldol condensation, esterification, and polymerization. Lab work includes some computer simulation, unknown analysis and individual work. The lab portion will include multi-step synthesis, qualitative analysis and instrumental analysis. Some computer simulation and individualized experiments will be involved. Course fee: \$35. Lecture 3 hours, lab 3 hours. Prerequisite: NSC 246 or equivalent. Offered spring, even-numbered years.

NSC 292-95 Natural Sciences Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$35.

NSC 299 Science Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

NSC 310 Human Anatomy and Physiology I (4 credits) An introduction to the normal structure and function of the human body. The course covers principles of the chemistry compounds (biochemistry), cells, tissue, and organs of the body. Four systems are studied for gross and microscopic anatomy and normal functioning; these are integumentary, skeletal, muscular, and nervous systems. The lab work emphasizes microscopic work on cells and tissues, study of bones and tissues, and dissections of brain and eyeball. Course fee: \$35. Lecture 3 hours, lab 3 hours. Prerequisite or co-requisite: NSC 145 or equivalent. Offered fall. Students cannot earn credit for both NSC 310 and NSC 210.

NSC 311 Human Anatomy and Physiology II (4 credits) Continuation of NSC 310. This class includes study of the respiratory, circulatory (blood, heart, vessels), lymphatic, urinary, digestive, endocrine, and reproductive systems. Normal anatomy and physiology is emphasized, but some pathology is included. Lab work includes dissection of body systems, plus selected physiology experiments in respiratory volumes, blood and blood genetics, urinalysis, and digestion rates. Critical thinking is developed using clinical examples. The students conduct research as group projects, such as nutrition, development of science events for teens, or clinical interviews. Course fee: \$35. Lecture 3 hours, lab 3 hours. Prerequisites: NSC 310 and NSC 145 or equivalents. Offered spring. Students cannot earn credit for both NSC 311 and NSC 211.

NSC 321 Oceanographic and Atmospheric Science (4 credits) An overview of oceanography and atmospheric science and topics in modern research. Study of what we know about the Earth and how we know what we know. Course fee: \$35. Lecture 3 hours, lab 2 hours. Prerequisites: Any college lab science course. Offered fall, even-numbered years.

NSC 341 Zoology: Animals as Organisms (4 credits) Anatomical and physiological study of invertebrate and vertebrate body systems and processes including taxonomy and evolution. Course fee: \$35. Lecture 3 hours, lab 2 hours. Prerequisites: NSC 142. Offered summer, even-numbered years.

NSC 342 Botany: Plants as Organisms (4 credits) Development, structure, function, and evolution of vascular and nonvascular plants; physiological and ecological relationships. Course fee: \$35. Lecture 3 hours, lab 2 hours. Prerequisites: NSC 142. Offered on demand.

NSC 343 Introduction to Physical Chemistry (3 credits) A presentation of advanced concepts in physical chemistry building on foundational knowledge in General Chemistry. Specifically, the course covers molecular structure and interactions with emphasis on spectroscopic analysis. The 3 laws of thermodynamics are also expanded in addition to molecular motion and transport, and enzyme kinetics. Course fee: \$35. Prerequisite: NSC 146, MAT 241 & NSC 247, or permission of instructor. Offered on demand.

NSC 344 Introduction to Inorganic Chemistry (3 credits) A presentation of advanced concepts in inorganic chemistry building on foundational knowledge in General Chemistry. Specifically, the course covers new concepts on atomic theory including the valence bond theory and solution of the “s” block metals, strengths of oxiacids/aquated cations, amphoterism and coordinated complexes. Extraction methods for alkali metals and alkaline earth metals are also covered. Course fee: \$35. Prerequisite: NSC 146 & NSC 247, or permission of instructor. Offered on demand.

NSC 345 Introduction to Instrumental Analysis (3 credits) An introductory course in instrumental analysis including mass spectrometry, infrared (IR) spectroscopy and nuclear magnetic resonance (NMR). Also, analysis from the gas chromatograph (GC) and high performance liquid chromatograph (HPLC) are introduced. Course fee: \$35. Prerequisite: NSC 146 & NSC 247, or permission of instructor. Offered on demand.

NSC 400 Microbiology (4 credits) An introduction into the history, morphology, and physiology of microorganisms, techniques of isolation, and identifying microorganisms with emphasis given to their effect on human affairs. Course fee: \$35. Lecture 3 hours; lab, 3 hours. Prerequisite: Any science course with a lab. Offered spring.

NSC 431 Ecology (4 credits) How animals and plants make their way in the world, ranging from struggle of individual organisms with their surroundings to interactions of populations and communities. Course fee: \$35. Lecture 3 hours; lab, 3 hours. Prerequisite: ENG 132 and NSC 142 or equivalent. *A writing-enhanced course.* Offered fall, odd-numbered years.

NSC 432 Genetics (3 credits) Modern genetics including Mendelian and other patterns of inheritance, population genetics, genetic mapping, DNA and gene structure and function, genetic diseases, and introduction to genetic engineering. Course fee: \$35. Prerequisite: NSC 141 or equivalent. Offered on demand.

NSC 434 Biochemistry I (4 credits) Emphasizes structure and function of proteins, lipids and nucleic acids, enzymology, intermediary metabolism and its control mechanisms, and energy transformations. Course fee: \$35. Lecture, 3 hours; lab 3 hours. Prerequisite: NSC 146 and NSC 246. A course in biology is helpful but is not a prerequisite. Offered on demand.

NSC 435 Biochemistry II (4 credits) A continuation of NSC 434 which emphasizes structure and function of proteins, lipids and nucleic acids. It also presents advanced concepts on enzyme kinetics and energy transformations. Course fee: \$35. Lecture, 3 hours; lab 3 hours. Prerequisite: NSC 434; also, either NSC 343 or NSC 344 is recommended. Offered on demand.

NSC 439 Biological Psychology (3 credits) A study of the biological basis of human behavior. This course examines neuroanatomy, function of the nervous system, and biological influences upon learning, memory, cognition, sensation, and abnormal behavior. Prerequisite: PSY 101 or consent of instructor. Cross-listed as PSY 439; students cannot earn credit for both courses. Offered on demand.

NSC 441 Cell Biology (4 credits) Examines the relationship between cell structure and function. An emphasis on membrane structure, cell transport, cytoskeleton, gene expression and regulation, cell division and cellular causes of cancer. Laboratory exercises include techniques used in the study of cell biology, including histology, spectrophotometry, cell fractionation, tissue culture, electrophoresis, and immunochemistry. Course fee: \$35. Lecture 3 hours, lab 3 lab hours. Prerequisite: NSC 142 and NSC 146. Offered on demand.

NSC 451 Senior Seminar (2 credits) A capstone course during which students present their undergraduate research projects to the OVU community. May be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. *A writing-enhanced course.* Course fee: \$60. Prerequisite: NSC 299.

NSC 489 Natural Sciences Practicum (1-6 credits) Assignment in a supervised situation involving observation and participation in situations which engage the student in a science related field. Activities such as work in a hospital lab, field work with the department of natural resources, and clinical work at Health South are examples of appropriate positions. At least 35 hours of contact are required for each hour of credit. The practicum may be repeated for credit. The practicum is given by consent of the chair of the School of Mathematics and Sciences and by the designated instructor. Course fee: \$35.

NSC 490-1 Natural Sciences Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Prerequisite: ENG 132, junior standing, and admission to either the biology or biochemistry program. *A writing-enhanced course.* Course fee: \$35.

NSC 492-95 Natural Sciences Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$35. Prerequisite: Junior standing.

PHYSICAL EDUCATION

PHED 102 Archery (1 credit) Instruction in archery including fundamental techniques and target shooting. Course fee: \$35. Offered on demand.

PHED 103 Fall Sports (1 credit) This course provides instruction in the fundamentals of football and soccer. Skills introduced include individual position skills and strategies. Basic offensive and defensive strategies are introduced as well as the rules of the game. Course fee: \$30. Offered on demand.

PHED 104 Spring Sports (1 credit) This course provides instruction in the fundamentals of baseball and slow pitch softball. Skills introduced include fielding, pitching, throwing, base running and batting. Basic offensive and defensive strategies are introduced as well as the rules of the game. Course fee: \$30. Offered on demand.

PHED 105 Walking for Health and Fitness (1 credit) Introduction to the knowledge and techniques necessary for different types of walking to increase fitness through assessment and development of a personal walking program. Offered on demand.

PHED 106 Weight Training (1 credit) Knowledge and techniques necessary for increasing muscle function. Course includes assessment of status and development of a personal program. Offered on demand.

PHED 110 Foundations of Physical Fitness (2 credits) Instruction and exercise in fundamental skills necessary to promote lifetime fitness, and relationship of physical fitness with holistic wellness. Students will develop and implement a personal fitness program. Emphasis on lifetime fitness/wellness, use of Fitness Gram, new physical education assessments of fitness, and NASPE physical activity guides instead of a textbook. Offered on demand.

PHED 111 Bowling (1 credit) An introduction to the skills of bowling. Course introduces the basic rules, strategies, and score keeping. Course fee: \$60. Offered on demand.

PHED 112 Golf (1 credit) Introductory experience in the sport of golf. Course focus will be on functional skills, information, strategy, and participation. Course fee: \$50. Offered on demand.

PHED 113 Swimming (1 credit) Development of the essential skills and information necessary for enjoying swimming. Emphasis will be on personal safety. Course fee: \$65. Offered on demand.

PHED 117 Basketball (1 credit) This course provides for development of basketball skills including shooting, passing, dribbling, and rebounding. Basic offensive and defensive strategies will be included as well as the rules of the game. Offered on demand.

PHED 119 Volleyball (1 credit) This course is designed to allow students to develop the basic skills, learn the rules, and utilize basic offensive and defensive systems of volleyball play. Offered on demand.

PHED 124 Recreational Sports (1 credit) Instruction in fundamental rules, skills and strategy of recreational type sports: may include pickle ball, table tennis, billiards, shuffleboard, horseshoes, floor tennis, and paddle tennis. Offered on demand.

PHED 125 Jogging (1 credit) This course is an introduction to jogging. Jogging is a way to develop and maintain cardiovascular and aerobic fitness. Course content includes mechanics of efficient jogging, presentation of different training systems, safety concerns, information related to community “fun runs” and information related to the prevention and care of common jogging injuries. Offered on demand.

PHED 130 Introduction to Camp Counseling (1 credit) Introduction to the basics of Christian camp counseling: programs, responsibilities, activities, ethics. Prerequisites: Successful completion of one semester of college work and approval of instructor. See BIB 325 for possible credit for camp work. Offered on demand.

PHED 140 Karate (1 credit) Development of the essential skills for karate in a traditional Japanese format. This weaponless martial art emphasizes power and efficiency in a comprehensive system for self-defense as well as encouraging exploration and understanding of both the physical and mental self. Course fee: \$25. Offered on demand.

PHED 172 Zumba and Cardio (1 credit) Zumba combines Latin rhythms with cardiovascular exercise to create an aerobic routine that is fun and easy to follow. The activity utilizes the principles of fitness interval training and resistance training to maximize caloric output, fat burning, and total body toning. Activity choices include Zumba, Zumba Toning, Bokwa, Mish:mash, Piyo Strength, and Turbo Kick. Course fee: \$30. Offered on demand.

PHED 180 Disc Golf (1 credit) Introduction to the knowledge and techniques necessary for playing Disc Golf to increase fitness and develop a personal plan for lifetime wellness. We will examine the effects of playing Disc Golf on the body, basic fitness theories, and the effects of physical activity on a lifestyle. Students are expected to develop competencies involving walking and its physiological and psychological effects. Offered on demand.

PHED 184 Ultimate Frisbee (1 credit) Basic strategies and skills of Ultimate Frisbee. Rules, scoring and vocabulary of the game. Designed for students interested in improving as Frisbee players with general knowledge and love for the game. Prerequisite: Membership in the Ultimate Frisbee Niche Group. Offered on demand.

PHED 292-95 Physical Education Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

PHED 244 Varsity Men’s Track & Field (1 credit) Open only to varsity men’s track & field team members. Offered spring.

PHED 245 Varsity Women’s Track & Field (1 credit) Open only to varsity women’s track & field team members. Offered spring.

PHED 250 Varsity Baseball (1 credit) Open only to varsity baseball team members. Offered spring.

PHED 251 Varsity Basketball, Men (1 credit) Open only to varsity basketball team members. Offered spring.

PHED 252 Varsity Basketball, Women (1 credit) Open only to varsity basketball team members. Offered spring.

PHED 253 Varsity Cheerleading (1 credit) Open only to varsity cheerleaders. Offered on demand.

PHED 254 Varsity Cross-Country, Men (1 credit) Open only to varsity cross-country team members. Offered fall.

PHED 255 Varsity Cross-Country, Women (1 credit) Open only to varsity cross-country team members. Offered fall.

PHED 256 Varsity Golf, Men (1 credit) Open only to varsity golf team members. Offered spring.

PHED 257 Varsity Soccer, Men (1 credit) Open only to varsity soccer team members. Offered fall.

PHED 258 Varsity Soccer, Women (1 credit) Open only to varsity soccer team members. Offered fall.

PHED 259 Varsity Softball (1 credit) Open only to varsity softball team members. Offered spring.

PHED 260 Varsity Volleyball (1 credit) Open only to varsity volleyball team members. Offered fall.

PHED 261 Varsity Golf, Women (1 credit) Open only to varsity golf team members. Offered spring.

PHED 262 Varsity Men's Lacrosse (1 credit) Open only to varsity men's lacrosse team members. Offered spring.

PHED 263 Varsity Wrestling (1 credit) Open only to varsity wrestling team members.

PHED 264 Varsity Women's Lacrosse (1 credit) Open only to varsity women's lacrosse team members. Offered spring.

PHED 300 Kinesiology (3 credits) This course addresses the physiological, mechanical, and psychological mechanisms associated with human movement. It introduces the processes that lead to change in the performance of motor skills. Models and theories of practice, augmented feedback, information processing and dynamic systems will be discussed. Offered spring, even-numbered years.

PHED 301 Sports Officiating (2 credits) This course is designed to provide the student with knowledge and understanding of the rules and procedures for officiating sports contests. Also included are the general and psychological aspects of the roles of sport officials in either the interscholastic and or intercollegiate levels of competition. Offered spring, odd-numbered years.

PHED 302 Principles of Coaching (3 credits) This course is designed to provide insight into the coaching profession. It will examine the many facets of the profession and provide suggested guidelines for prospective coaches to use in establishing their own style and methods. Offered fall, even-numbered years.

PHED 336 Lifetime Wellness Activities (3 credits) Study of skills and methods of teaching lifetime fitness activities including tennis, bowling, archery, yoga, dance, aerobics, biking, skating, volleyball, golf, and track & field. Incorporates uses of technology for learning and assessment of fitness. Offered fall, even-numbered years.

PHED 338 Strength Training and Conditioning (3 credits) Concepts and applications of the exercise sciences to build physical and cognitive fitness- testing, evaluation, exercise techniques, program design, and the organization and administration of a facility to improve fitness and performance. Prerequisites: PHED 300 and WEL 309. Offered spring, odd-numbered years.

PHED 461 Internship in Physical Education and Health (1-4 credits) Students are placed in an internship appropriate to senior level skills and interests in the field of physical education. At least 40 hours of contact are required for each hour of credit. Prerequisite: Program coordinator approval. Offered on demand.

PHED 462 Internship in Coaching (1-4 credits) Interns are placed as student coaching assistants with a sports team in their area of interest (college, K-12 school or professional organization). One credit hour is earned for every 40 clock-hours of work. Hours must be determined at registration. Prerequisite: Program coordinator approval. Offered on demand.

PHED 492-95 Physical Education Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

PSYCHOLOGY

PSY 101 General Psychology (3 credits) An understanding of human behavior, unifying the physical, emotional, intellectual, and social aspects with current research findings and theories.

PSY 111 Introductory Psychology Seminar (3 credits) This course is designed to introduce students to the various specialty areas of psychological practice. Career opportunities are reviewed and emphasis is placed on preparation for graduate school. Christian beliefs in relationship to the study of psychology are reviewed. A grade of *B* or higher is required for the course to fulfill psychology program requirements. Course fee: \$30. Offered fall.

PSY 201 Stress Management (3 credits) The impact of stress on physical and emotional health is reviewed. The survey and practice of stress management methods are addressed. Also covered are psychological approaches to everyday problems, coping skills, anxiety, personal growth and health, and interactions of individuals within personal and social environments. Offered on demand.

PSY 229 Introduction to Statistics for the Behavioral Sciences (4 credits) A development of basic techniques of descriptive and inferential statistics including methods of analysis and presentation. Includes descriptive measures and an introduction to hypothesis testing/inferential statistics, including t-tests, ANOVA, correlation, simple regression, and chi-squared analyses. Provides training in software skills for the display and analysis of data. Three hours lecture, two hours laboratory per week. Prerequisites: MAT 147 or higher, or at least a 22 on the mathematics section of the ACT (or 540 on the SAT), or consent of instructor. Students cannot earn credit for both MAT 229 and PSY 229. Offered fall.

PSY 233 Human Growth and Development (3 credits) A study of the psychological and physical development of the individual from prenatal through late adulthood (including death and dying), with attention paid to physical, mental, emotional, and social aspects. Recommended for sophomores.

PSY 234 Child Development (3 credits) A course on the study of psychological processes from childhood through adolescence. Emphasis is placed on physical, emotional, cognitive, moral, and social development. Offered on demand.

PSY 236 Adult Development and Aging (3 credits) A course on the study of behavioral and psychological changes and continuity from young adulthood through old age. Emphasis is placed on interaction of psychological, sociocultural, and biological variables as they contribute to the behaviors of aging individuals from the perspective of a developmental framework. Offered on demand.

PSY 242 Group Dynamics (3 credits) A study of group processes, particularly as they relate to the individual. An emphasis is placed on the principles and operations underlying group actions and interactions. Emphasis is placed on stages of group development.

PSY 250 Introduction to Cross-Cultural Understanding (0-1 credits) This course is available to students participating in international travel with a member of the OVU faculty. Students will complete course activities that enhance understanding of cross-cultural issues. Grade basis is pass/no credit. Offered on demand. *Fulfills diversity requirement.*

PSY 290 Research Design (4 credits) A study of research methods utilized in the social sciences and an examination of the editorial guidelines established by the American Psychological Association. Three hours lecture and 2 hours laboratory per week. Prerequisites: ENG 132 and PSY 229 or consent of the instructor. *A writing-enhanced course.* Offered spring.

PSY 292-95 Psychology Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

PSY 299 Psychology Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

PSY 304 Human Sexuality (3 credits) This course examines personal, spiritual, interpersonal, community, and societal influences on sexuality throughout the lifespan. Topics include male/female anatomy and physiology, sexual arousal, sexual response, sexually transmitted diseases, contraception, and pregnancy, as well as behaviors and relationships. Prerequisite: WEL 231 or consent of instructor. Cross-listed as WEL 304; students cannot earn credit for both courses. Offered spring.

PSY 305 Sports Psychology (3 credits) Psychological theory and principles applied to sports. Includes motivational techniques, psychological evaluation, stress and anxiety in sports, as well as personality and sports performance. Prerequisite: PSY 101. Offered on demand.

PSY 320 Abnormal Psychology (3 credits) A study of the major types of psychopathologies, including classifications, explanations, and treatments. Prerequisite: PSY 101 or 233, or consent of instructor. Offered spring.

PSY 327 Psychology Field Laboratory (1-6 credits) An experience in a psychology environment which should be different from the practicum. At least 35 hours of contact are required for each hour of credit.

PSY 340 Personality Theories (3 credits) A study of the major personality theories in psychology. Emphasis is placed on historical development, concepts, issues, methods of research, and assessment of personality. Prerequisite: PSY 101 or consent of instructor. Offered fall.

PSY 345 Forensic Psychology (3 credit hours) Surveys the psychological theories and methods pertinent to the legal and criminal justice systems. Course covers the history of forensic psychology, and the impact it has made on criminal justice; i.e. victimization, profiling, reliability of eyewitness testimony, expert witness prep, jury selection, interrogations, insanity, dealing with the mentally ill, and offender types. Prerequisite: CRJ 101 or PSY 101, or consent of instructor. Cross-listed as CRJ 345; students cannot earn credit for both courses. Offered on demand.

PSY 347 Psychology of Cybercrime (3 credits) Psychology of Cybercrime provides a foundation for people new to the field. It requires no specific background knowledge and covers legal issues, offenders, effects on victims, punishment, and preventative measures for a wide range of cybercrimes. An introduction to forensic psychology and the legal issues of cybercrime are included in the course. Course fee: \$35. Offered on demand.

PSY 350 Family Systems (3 credits) A study of the traits of strong, healthy families. An emphasis will be on understanding the general systems approach to the families and family therapy. Offered on demand.

PSY 351 Understanding Multicultural Diversity (3 credits) The history, ethnic and cultural uniqueness, and racial makeup of groups in minority. Relation to majorities, legal and social problems. Prerequisite junior standing or permission of instructor. *Fulfills diversity requirement.*

PSY 352 Understanding Multicultural Diversity-International (3 credits) This course explores the history, ethnic and cultural uniqueness, and racial makeup of a country other than the United States. It is designed to take advantage of a student's international travel through which he or she can learn from first-hand experiences. *Fulfills diversity requirement.*

PSY 353 Drugs and Behavior (3 credits) A study of the nature and effects of drug use and abuse. An emphasis is placed on how drugs work in the brain to produce their behavioral effects. The course will also focus on the use of medications in the treatment of mental disorders. Prerequisites: PSY 101 or consent of instructor. Offered on demand.

PSY 355 Introduction to Counseling Theories and Practice (3 credits) A review of the philosophies and theories underlying current counseling practices. Attention will be given to using the application of the philosophies and theories. Students will have practical experiences utilizing theories reviewed in hypothetical counseling situations. Prerequisites: ENG 132 and PSY 340 or consent of instructor. *A writing-enhanced course.* Offered spring.

PSY 360 Social Psychology (3 credits) A study of the relationship between the individual and the social environment, including research, social influence and social relations. Prerequisite: PSY 101 or consent of instructor. Offered on demand.

PSY 421 History and Systems of Psychology (3 credits) A survey of the major psychological theories and systems from their philosophical origins to the current status of major integrative systems and theories. Prerequisite: PSY 101 and senior standing. Offered spring.

PSY 439 Biological Psychology (3 credits) A study of the biological basis of human behavior. This course examines neuroanatomy, function of the nervous system, and biological influences upon learning, memory, cognition, sensation, and abnormal behavior. Prerequisite: PSY 101 or consent of instructor. Cross-listed as NSC 439; students cannot earn credit for both courses. Offered on demand.

PSY 440 Tests and Measurements (3 credits) A study of the principles of psychological measurement such as the construction, administration and interpretation of group and individual tests of intelligence, personality, interest and achievement. Prerequisite: PSY 101 or consent of instructor. Offered on demand.

PSY 441 Cognitive Psychology (3 credits) A comprehensive review of basic cognitive phenomena including perception, attention, memory, and problem solving. Emphasis is placed on the use of empirical research results to evaluate the major theories of cognition. Prerequisites: PSY 101 or consent of instructor. Offered on demand.

PSY 442 Industrial & Organizational Psychology (3 credits) An introductory course in the psychology of work and organizations. Emphasis is on application of psychological theories and research to organizational situations including employee selection and assessment, training, proficiency evaluation, motivation, morale, stress, communication, and leadership. Prerequisites: PSY 101 or consent of instructor. Offered on demand.

PSY 443 Health Psychology (3 credits) Introduction to the contribution of psychology to the promotion and maintenance of health as well as the prevention and treatment of illness. Emphasis will be placed on understanding how psychological, behavioral, biological, and social factors relate to health and wellness. Prerequisites: PSY 101 or 233, or consent of instructor. Offered on demand.

PSY 451 Senior Seminar (3 credits) This capstone course is an introduction to professional opportunities in psychology and related fields. It is an exploration of the issues one must consider in order to pursue a career and/or graduate school in Psychology and related fields. Focuses of this course include a review of the field of psychology, resume and curriculum vitae writing, and interview techniques. A grade of *B* or higher is required for the course to fulfill psychology program requirements. Prerequisite: PSY 299. Offered fall.

PSY 460 Learning Theories (3 credits) A study of the major theories of learning that have important influence in the fields of psychology and education today. An emphasis will be placed on the principles of learning and the implications for psychology and education. Prerequisite: PSY 233 or consent of instructor. Offered on demand.

PSY 470 Behavior Modification (3 credits) An advanced study of the application of the behavioral principles of classical and operant conditioning to specific clinical problems and general life challenges. Prominent research and ethical considerations will also be reviewed. Prerequisites: PSY 101 or 233, or consent of instructor. Offered on demand.

PSY 480 Advanced Statistics for the Behavioral Sciences (4 credits) Statistical analysis of social science research data which integrates experimental design with a comprehensive understanding and application of descriptive and inferential analysis of data, including multifactor analysis of variance, repeated measures designs, post hoc analyses, and multiple regression analyses. Provides training in software skills for data analysis and display. Strongly recommend for students interested in Psychology Ph.D. programs. Three hours lecture, one 2-hour laboratory per week. Prerequisites: PSY 229 and PSY 290. Offered on demand.

PSY 485 Advanced Research Design (4 credits) Student designs and implements a major research project which can be presented as an example of interest and capability in conducting independent research with the goal of presentation at psychology conventions and/or publication. The paper will conform to all aspects of the editorial guidelines established by the American Psychological Association. Strongly recommended for students interested in Psychology Ph.D. programs. Three hours lecture, two hours lab per week. Prerequisites: PSY 229 and PSY 290. Offered on demand.

PSY 489 Psychology Practicum (3-6 credits) Professional work experience in an external setting within the area of behavioral sciences. Students may select work setting from several pre-approved sites. At least 35 hours of contact per credit hour earned are required. Prerequisite: ENG 132 and either senior standing or consent of instructor. *A writing-enhanced course.*

PSY 490-1 Psychology Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

PSY 492-95 Psychology Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.

PSY 498 Psychology Program Senior Assessment (0 credits) During this course, students will complete exit surveys and assessment tests. This course is taken during a student's final semester before graduation. Course fee: \$25. Grade basis is pass/no grade.

READING

REA 090 College Reading (1-3 credits) Grade basis is *A*, *B*, *NC* (no credit), or *F*. Institutional credit only; this course is designed to prepare students for college-level work—it does not fulfill graduation requirements, and the grade earned does not affect the student's GPA. Taught in conjunction with ENG 090. Required of students who score 18 or below on the reading section of the ACT (or below 440 on the critical reading section of the SAT) and who are required to take ENG 090. Course fee: \$30. Offered fall, and in spring on demand.

RELIGION

REL 280 Religious/Cultural Seminar International (1-4 credits) Offered as part of an international program and designed to provide a general introduction to a topical study of a broad cultural/historical perspective appropriate to the international itinerary, enhanced by visiting the historical sites, museums, and artifacts associated with the topical study. Specific course topics may vary according to the geographic region. Fulfills lower-level Bible course requirement when course material contains substantive biblical texts and principles.

REL 292-95 Religion Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

REL 341 History of the Christian Church (3 credits) A survey of the history of the Christian Church from the post-apostolic period to modern times, with an emphasis on major personalities and movements as they inter-acted to formulate basic Christian doctrine. The doctrinal developments will be analyzed through the biblical texts on which they were based. Prerequisite: ENG 132. *Fulfills Bible course requirement. A writing-enhanced course.* Offered fall, odd-numbered years.

REL 342 Restoration Church History (3 credits) A survey of how the idea of restoring the New Testament church in modern times developed into a Restoration Movement (Church of Christ, Christian Church-Independent, Disciples of Christ) in America from the 18th century to the present. Concepts integral to the Movement such as, defining the New Testament Church, unity, salvation, music in worship, congregational leadership, fellowship, hermeneutics, etc., will be dealt with not only historically but also in regard to the textual basis. Prerequisite: ENG 132. *Fulfills Bible course requirement. A writing-enhanced course.* Course fee: \$25. Offered spring, odd-numbered years.

REL 371 Christian Ethics (3 credits) A survey both of ethical teachings of the Bible and traditional ethical theories and their applications, including egoism, utilitarianism, deontology, and virtue ethics. This survey is integrated with a study of the foundation and application of Christian ethics as defined through a biblical perspective, including such topics as the nature of God, the role of Scripture, and the role of the church in making ethical decisions. Prerequisite: ENG 132. *Fulfills Bible course requirement. A writing-enhanced course.* Offered fall, even-numbered years, and on demand. Students cannot earn credit for both BUS 371 (Business Ethics) and REL 371.

REL 441 Major World Religions (3 credits) A historical and comparative analysis of the major living world religions: Hinduism, Buddhism, Judaism, and Islam. Key religious concepts such as, divinity, revelation, spirituality, community, liturgy, cosmology, ethics and eschatology will be compared to and contrasted with the corresponding biblical perspective. *Fulfills Bible course requirement. Fulfills diversity requirement.* Course fee: \$35. Offered spring, even-numbered years.

SOCIAL WORK

SWK 231 Introduction to Social Work (3 credits) Looks at the historical and philosophical bases of the profession and how they relate to social work practice. Serves as an introduction to social work practice, values, and professional orientation. Designed to give the student a beginning knowledge of generalist practice and explore career opportunities in the field of social work. Offered on demand.

SWK 233 Human Behavior and the Social Environment I (3 credits) This course focuses on the dynamics of human behavior and the effects of the social environment upon individual development. Processes of human development, change, and adaptation from infancy through adolescence, with an examination of developmental stages, transitions, and problems inclusive of social, biological, cognitive, emotional, and behavioral aspects of social work. Prerequisite: SWK 231 or permission of instructor. Offered on demand.

SWK 333 Human Behavior and the Social Environment II (3 credits) Continuation of the people-in-systems theoretical orientation, building understanding and knowledge of human behavior as influenced by bio-psycho-socio-cultural factors. This section will focus on family development throughout the life cycle, small group dynamics, and role theory. General systems theory will be used as a conceptual framework for the study of families, using the problem-solving practice model. Prerequisite: SWK 233. Offered on demand.

SWK 350 Social Welfare Policy and Services (3 credits) Looks at the history, development, and contemporary nature and structure of social work and other aspects of the U.S. social welfare system noting overall impact on social problems. Analysis of social policies in view of their historical and ideological positions and responsiveness to individual and social needs will be emphasized. Offered on demand.

SWK 352 Methods of Social Work (3 credits) This course focuses upon the practice of social work with individuals, families, groups, and communities. Emphasis is placed upon learning the knowledge, values, and problem-solving skills that are essential in working with client systems. Assessment, goal selection and intervention approaches will be highlighted. Prerequisite: SWK 231 and 233. Offered on demand.

SOCIOLOGY

SOC 101 Introduction to Sociology (3 credits) Basic introduction to the field of sociology including a discussion of social problems and cultural group processes and a scientific approach to their study.

SOC 211 Marriage and Family (3 credits) This is an introductory course on marriage and the family. Historic and contemporary perspectives on the fundamental description of family forms and issues across the life course will be explored. Family interaction, relationships, and gender role expectations will also be examined. Students cannot earn credit for both BIB 211 and SOC 211. Offered on demand.

SOC 341 Cultural Anthropology (3 credits) A study of human culture and its variations around the world. The course will discuss the integrative patterning of worldview, values, and behavior, with special emphasis on social structures, religion, language, and culture change, as well as the practical application of cultural anthropology to Christian missions. Prerequisite: ENG 132. *A writing-enhanced course. Fulfills diversity requirement.* Offered spring, odd-numbered years.

SOC 381 Introduction to Alternative Dispute Resolution (3 credits) This is an introduction course that focuses on the non-litigious processes of Dispute Resolution and their relationship to traditional litigation and settlement. This course involves the study of negotiation, mediation, mini-trials, private judges, court-annexed and private arbitration, settlement conferences, summary jury trials, etc. The student will have an exposure to most, if not all, of the processes that are available to people with a grievance and comparisons that will allow consumers to be informed of their options for settlement. Offered fall.

SOC 382 Conflict Mediation (3 credits) All the principles of mediation are explored during this course. A look at a continuum of mediation styles and skills in order to know when to evaluate and when to facilitate. However, the dominant style emphasized in this course is non-evaluative, facilitative, transformative. The student will be trained in the entire process of mediation including the sequence of events with the “bridges” that takes the parties to the next event in the mediation process. A detailed study will cover the mediator in their role, ethics, qualifications, training, etc. Role-playing at least three types of conflict situations. Offered spring.

SOC 383 Diversity Management (3 credits) Looks at how to recognize, accept, approve, and affirm the diversity in social settings (gender, environment, family structure, and religion). Special attention is given to diversity/conflict management from the Bible. Allowable Mindsets, Polarity Management of non-mutual exclusives (thought to be irreconcilable pole of differences), and other management styles will be explored. *Fulfills diversity requirement.* Offered summer.

SPANISH

SPA 101 Spanish I (3 credits) An introduction to the basic skills of listening, speaking, reading, and writing. Offered on demand.

SPA 102 Spanish II (3 credits) A continuation of SPA 101. Prerequisite: SPA 101 or equivalent. Offered on demand.

SPA 201 Spanish III (3 credits) A continuation of SPA 201. Prerequisite: SPA 102 or equivalent. Offered on demand.

SPA 202 Spanish IV (3 credits) A continuation of SPA 201. Prerequisite: SPA 201 or equivalent. Offered on demand.

SPECIAL EDUCATION

SPED 302 Behavior Disorders (3 credits) A practical and contemporary study of curriculum methods, materials, and processes involved in meeting the needs of students with behavior disorders; this course does not include autism. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: 101, EDUC 320, SPED 341, PSY 233, and admission to the teacher education program. Offered fall and summer.

SPED 303 Learning Disabilities (3 credits) A practical and contemporary study of curriculum methods, materials, and processes involved in meeting the needs of students with learning disabilities. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: 101, EDUC 320, SPED 341, PSY 233, and admission to the teacher education program. Offered spring and summer.

SPED 304 Intellectual Disabilities (3 credits) A practical and contemporary study of curriculum methods, materials, and processes involved in meeting the needs of students with Intellectual Impairments. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: 101, EDUC 320, SPED 341, PSY 233, and admission to the teacher education program. Offered spring and summer.

SPED 305 Program Planning in Special Education (3 credits) Study of the delivery system for special education services and appropriate instructional methods, including adapting methods and materials, for teaching students with exceptionalities. Prerequisites: 101 and SPED 341, and admission to the teacher education program. Offered spring.

SPED 306 Assessment in Special Education (3 credits) Development of expertise in various forms of cognitive and effective assessment techniques, understanding psycho-educational needs of exceptional learners, and designing appropriate educational prescriptions from assessment protocols. Ten hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 328, EDUC 413, EDUC 414, SPED 302, SPED 303, SPED 304, and admission to the teacher education program. Offered spring and summer.

SPED 307 Collaboration and Consultation in Special Education (3 credits) Consultative, collaborative, and team models for the various roles of students, teachers, and family members in effective special education. Emphasis on building skills for adapting curriculum, co-teaching, interacting, and reflecting on educational partnerships. Prerequisites: EDUC 328, EDUC 413, EDUC 414, SPED 302, SPED 303, SPED 304, and admission to the teacher education program. Offered fall and summer.

SPED 308 Introduction to Autism Spectrum Disorders (3 credits) This course will explore the autism spectrum disorders, scientific and medical theories, presentation and severity of the different diagnoses considered part of the spectrum, and criteria for diagnosis. Identification of the disorders, age of diagnosis, identifying behaviors and characteristics will be presented. Course discussions and assignments will focus on the research that informs current understanding of the spectrum disorders and on an overview of federal and state law concerning families with children with ASD and placements in schools. This course requires 10 clock hours in field experience in work with students with ASD. Course fee: \$25. Prerequisite or co-requisite: SPED 302. Offered fall and summer.

SPED 309 Interventions for Autism Spectrum Disorders (3 credits) This course explores the developmental areas of social skills, behavior, and communication, providing an overview of the major educational theories/interventions, including practical approaches and technology that support the communication of students with ASD. Another focus is developing appropriate social skills interventions as they relate to appropriate and ethical classroom practice. Strategies address the impact of the environment on behavior, behavior analysis, positive behavior support, sensory interventions, and daily life therapy. Participants connect strategies and interventions to appropriate instructional and IEP goals and objectives. This course requires 60 clock hours of field experience with students with ASD. Course fee: \$25. Prerequisites: SPED 302, SPED 305, and SPED 308. Offered spring and summer.

SPED 310 Planning for Transition (2 credits) An examination of relevant legislation and recommended practices related to person-centered transition planning for students with disabilities in post-school and adult life, including postsecondary education, employment, community participation, and independent living. Ten hours of field experience are required. Offered on demand.

SPED 341 Educating Exceptional Children (3 credits) The legal basis for special education; psychological, physical, educational, and social characteristics; teaching the gifted and talented, learning disabled, communication disordered, intellectually disabled, emotionally disturbed, sensory disabled, and those with mental, physical, and multiple disabilities. Twenty hours of field experience are required. Course fee: \$25. Prerequisite EDUC 101, 320, and sophomore status. Offered fall.

SPED 401 Adapted Physical Education (3 credits) Study of physical education as it relates to curricular adaptations for those with physical or mental exceptionalities. 20 hours of field experience required. Course fee: \$25. Prerequisite: Admission to the teacher education program or consent of instructor. Offered fall, even-numbered years.

SPORTS MANAGEMENT

SPMGT 210 Principles of Sport Administration (3 credits) The managerial fundamentals and principles applied to the sport industry: concepts and functions of management, organizational theories, human resources, integrated issues, and trends. Course fee: \$50. Offered on demand.

SPMGT 292-95 Sports Management Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Course fee: \$50.

SPMGT 299 Sports Management Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Course fee: \$50. Grade basis is pass/no grade.

SPMGT 303 Organization and Administration of Sports (3 credits) This course provides a basic foundation for career development in sports administration. Topics covered include budget management, purchasing equipment, scheduling, conferencing, and compliance. Course fee: \$50. Offered on demand.

SPMGT 320 Sport Analytics (3 credits) Theory, development, and application of analytics in sport for purposes of player performance, team management/operations, team valuation, and fantasy competitions. Course fee: \$50. Prerequisites: BUS 121, CIT 153, and MAT 229. Offered on demand.

SPMGT 330 Public Relations and Communication in Sport (3 credits) An in-depth study of the nature, scope and significance of sales and marketing within the sport industry. Course fee: \$50. Prerequisites: BUS 121 and MKT 230. Offered on demand.

SPMGT 340 Sport Sales and Marketing (3 credits) Students are provided theory and concepts to examine the role of public relations, communication, and mass media in the sport industry. Course fee: \$50. Prerequisites: BUS 121, MKT 230, and SPMGT 210. Offered on demand.

SPMGT 350 Economics and Finance in Sport (3 credits) Examines and introduces the principles of economics, accounting, and finance as it applies to the sport industry. Course fee: \$50. Prerequisites: BUS 121 and either ECO 238 or FIN 233. Offered on demand.

SPMGT 398 Internship in Recreation Management (1-3 credits) Provides exposure via experiences in select sport related organizations, community organizations, and recreational facilities. One credit hour is earned for every 40 clock-hours of work. Course fee: \$50. Prerequisites: BUS 121 and MGT 230. Offered on demand.

SPMGT 399 Internship in Sports Management (1-3 credits) Students are placed in an internship appropriate to senior level skills and interests in the field of sports management. One credit hour is earned for every 50 clock-hours of work. Course fee: \$50. Prerequisites: Junior or senior standing, and BUS 121, MGT 230, MKT 230, and SPMGT 310. Offered on demand.

SPMGT 410 Sport Event Management: Theory & Application (4 credits) An introduction to the theoretical basis of sport management combined with supervised experiences in sport event management. Course fee: \$50. Prerequisites: Junior or senior standing, and BUS 121, MGT 230, SPMGT 340, and SPMGT 398. Students must register concurrently for SPMGT 410L. Offered on demand.

SPMGT 410L Sport Event Management: Theory & Application Lab (0 credits) An introduction to the theoretical basis of sport management combined with supervised experiences in sport event management. Students will complete operational skills and event analysis for the completion of this lab, including assisting in event management of five sport events, utilizing operational skills related to event management. Analytical methods to evaluate the success of the five sport events in terms of operational decisions. Prerequisites: Junior or senior standing, and BUS 121, MGT 230, SPMGT 340, and SPMGT 398. Students must register concurrently for SPMGT 410. Offered on demand.

SPMGT 420 Fundraising and Advancement Strategies in Sport (3 credits) This course is designed to provide a comprehensive overview for the fundraising, donor relations, non-profit, premium seating, and ticket sales profession. Students are provided with an ethical foundation and are introduced to basic terminology and concepts in the field. While students develop an understanding of the essentials of fundraising operations, they will also examine larger issues confronting today's fundraising managers. Topics will include major gift fundraising, annual funds, booster club organizations, priority seating programs, and benefits, the importance of donor research in the fund raising process, and the process from development to the transaction. Course fee: \$50. Prerequisites: BUS 121, MGT 230, SPMGT 330, and SPMGT 350. Offered on demand.

SPMGT 430 Athletic Facility Design and Maintenance (3 credits) An analysis of athletic facility design and the processes of facility management. Course fee: \$50. Prerequisites: Program admission and BUS 121, MGT 230, SPMGT 350, and SPMGT 398. Offered on demand.

SPMGT 451 Business Policy Seminar (3 credits) Capstone course designed to integrate all concepts and tools studied in the business administration program. Includes the use of case studies and computer simulations to analyze policies, strategies, and ethical considerations encountered in business organizations, with particular application to sports-related organizations. Course fee: \$100. Prerequisite: senior standing with a minimum of 36 hours of general business core courses completed and BUS 299, ENG 132, or consent of the school chair; cumulative GPA of 2.0 in all business courses taken. Course must be passed with a C or above to receive credit. *A writing-enhanced course.* Cross-listed as BUS 451; students can not earn credit for both courses. Offered spring.

SPMGT 490-1 Sports Management Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor. Course fee: \$50.

SPMGT 492-95 Sports Management Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing. Course fee: \$50.

UNIVERSITY

UNI 100 Concentrated Study Skills (1 credit) Provides practical, hands-on training in necessary college survival skills such as time management, note taking, test taking and others. Required of students who are required to enroll in two or more developmental courses. Offered fall, and in spring on demand. Grade basis is pass/fail.

UNI 101 Freshman FOCUS (1 credit) FOCUS stands for Focusing On College Understanding and Success. A key focus of this course is the transition to college life. This class explores the information and skills essential to academic success and personal development. Grade basis is pass/fail. Must be taken during a student's first semester as a full-time student; students may not withdraw from the course. Waived for students who have completed one semester as a full-time college student with a GPA of 2.0 before entering OVU. Course fee: \$50.

UNI 102 Orientation to Life in the USA (1 credit) Provides practical, hands-on training in necessary college survival skills for an international student studying in an American university. This course must be taken by all non-native speakers of English who are studying in the US for the first time; other new international students may take this course as an elective.

UNI 201 Introduction to Career Compass (1 credit) A guided experiential learning to develop work-life capabilities designed to be used for the rest of your life. Prerequisite: Sophomore standing preferred, but the course is open to all students. Offered on demand.

UNI 211 Tutoring Practicum (1 credit) This course allows students to gain an understanding of the tutoring process by providing tutoring services during the semester through academic support services. Students must spend 45 hours tutoring during the semester to earn the credit. Grade basis is pass/no credit. Prerequisite: Demonstration of competency in the tutoring area, and consent of the director of academic support services.

UNI 290-95 University Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

UNI 299 Associate Degree Program Assessment (0 credits) During this course, students will apply for a degree audit through the registrar's office and complete all necessary program assessment tools. Course fee: \$35. Grade basis is pass/no grade.

WELLNESS

WEL 121 Medical Terminology (2 credits) This course familiarizes students with medical terminology related to the human body. It covers root words, prefixes, and suffixes of medical terms; rules for pronunciation and spelling; and the contexts for using this terminology. Prerequisite: Consent of instructor. Offered on demand.

WEL 231 Personal and Community Health (3 credits) A study of the principles of health promotion and health maintenance, and the relationship between lifestyles and wellness. The course will investigate how individual health behaviors and activities interact to promote a community awareness of wellness. Emphasis will be placed on wellness in all dimensions of life: physical, psychological, social, spiritual, relational, economic, professional, academic, etc. Offered spring.

WEL 232 Safety, Accident Prevention, and First Aid (2 credits) The student will learn how to deal with emergency situations for adults, children, and infants, including information regarding basic principles of safety, accident prevention, and first aid. After completion of the course, the student should have knowledge of basic first aid skills and be able to competently perform certain life-saving skills, such as rescue breathing and cardiopulmonary resuscitation. Course fee: \$50. Offered fall.

WEL 292-95 Wellness Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum.

WEL 299 Wellness Program Admission (0 credits) During this course, students will apply for program admission and apply for a degree audit through the registrar's office. Grade basis is pass/no grade.

WEL 300 Anatomy and Physiology for Wellness (3 credits) A study of the structure and function of the human body. Designed especially for wellness majors. Includes cellular organization, skeletal system, muscular system, cardiovascular system, respiratory system, and metabolism. Prerequisite: NSC 131. Offered spring.

WEL 303 Contemporary Health Issues (2 credits) This course examines current health issues including discussion of controversial and ethical issues. Topics include such things as health policy and education, genetic testing, male and female health issues, impact of media on wellness, high-risk behaviors, and death and dying. Prerequisite: ENG 132 and WEL 231 or consent of instructor. Offered on demand.

WEL 304 Human Sexuality (3 credits) This course examines personal, spiritual, interpersonal, community, and societal influences on sexuality throughout the lifespan. Topics include male/female anatomy and physiology, sexual arousal, sexual response, sexually transmitted diseases, contraception, and pregnancy, as well as behaviors and relationships. Prerequisite: WEL 231 or consent of instructor. Cross-listed as PSY 304; students cannot earn credit for both courses. Offered spring.

WEL 305 Principles of Nutrition (3 credits) This course examines concepts of nutrition, metabolism of nutrients, assessment of nutritional status of individuals and populations, the relationship of nutrition to wellness and life-limiting or life-threatening conditions and diseases, and evaluation of personal diet. Discussion will also include fitness and sports, the diabetic athlete and eating disorders. Prerequisite: One of the following: NSC 131, NSC 141, NSC 135, or NSC 145; or consent of instructor. Offered fall.

WEL 306 Nutrition throughout the Life Cycle (3 credits) This course examines age-related nutritional needs throughout the lifecycle. Content will cover newborns/infants, toddlers, school-age children, adolescents, adults, older adults, and pregnant and breast-feeding women, as well as global undernutrition and safety issues related to food and water. Prerequisite: WEL 305 and one of the following: NSC 131, NSC 141, NSC 135 or NSC 145; or consent of instructor. Offered spring.

WEL 309 Exercise Physiology (3 credits) Study of energy systems and the effect of physical exercise on the muscular, circulatory, respiratory, and nervous systems; relationship strength, flexibility, endurance, fatigue, training, and nutrition in the efficiency of human physical performance. Prerequisite: NSC 131 or 141, and WEL 300, or consent of instructor. Offered fall.

WEL 411 Epidemiology (3 credits) This course examines the knowledge of disease occurrence and distribution in populations, as well as the methods of acquiring such knowledge. Causal relationships and modes of transmission will be investigated, with a focus on health promotion and risk reduction. Prerequisites: junior standing, ENG 132, and one of the following NSC 131, NSC 141, or WEL 231, or permission of instructor. *A writing-enhanced course.* Offered on demand.

WEL 451 Wellness Senior Seminar (2 credits) This course is taken by senior Wellness majors and provides an opportunity to synthesize and integrate concepts and practices learned in earlier Wellness courses. Students will meet weekly in group settings for networking, guest speakers, and student presentations. Students will work with the faculty advisor to choose a topic for presentation at seminar meetings. This course is most effective when taken in conjunction with the Wellness Internship or Wellness Practicum. Course fee: \$25. Prerequisite: Wellness major with senior standing, ENG 132, and WEL 299. *A writing-enhanced course.* Offered on demand.

WEL 461 Wellness Internship (1-12 credits) Student will be working as a volunteer in a health-related business, a community service facility, or a similar workplace. The primary purposes of the course are to provide an opportunity to explore content areas of personal interest; to expand written, verbal, and program development skills, and to gain a sense of professionalism and organizational culture. At least 35 hours of contact are required for each hour of credit. Prerequisite: Wellness major with senior standing or consent of the instructor. Setting must be approved by faculty member. Offered on demand.

WEL 489 Wellness Practicum (1-6 credits) Professional work experience in a setting within the area of the health sciences. Setting must be approved by faculty member. At least 35 hours of contact are required for each hour of credit. Prerequisite: Wellness major with senior standing or consent of the instructor. Offered on demand.

WEL 490-1 Wellness Guided Research (1-6 credits) A senior-level independent research project designed by the student with assistance from the instructor.

WEL 492-95 Wellness Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. Prerequisite: Junior standing.