

The seal of Ohio Valley University is a circular emblem. At the top, it reads "OHIO VALLEY UNIV". In the center, there is a shield divided into four quadrants: top-left contains the letter "A", top-right contains a globe, bottom-left contains an open book, and bottom-right contains the Greek letter "Ω". Above the shield is a torch with a flame. Below the shield is a banner with the motto "Philologia • Vita". At the bottom of the seal, it reads "VIENNA, WEST VIRGINIA".

2015-16 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 vice president for academic affairs. 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 220 Accounting Excel Lab (1 credit) This course focuses on some of the advanced features of Excel, including templates, sorting and filtering, importing and exporting, advanced formulas, analysis tools, and collaboration. Prerequisite: CIT 140 or instructor's approval. Co-requisite: ACC 221. Offered fall.

ACC 221 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. Co-requisite: ACC 220. Offered fall.

ACC 222 Accounting II (3 credits) Continuation of ACC 221. Partnership and corporation accounting, control accounting, decision making, and further study of statements and analysis. 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.

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. 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. 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. Prerequisite: ACC 221 and or consent. Offered fall.

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. 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. 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. 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. 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. 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. 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. Prerequisite: ACC 322, or consent of school chair. Offered fall.

ACC 461 Governmental and Not-for-Profit Accounting Accounting, reporting, and budgeting for governmental and not-for-profit entities and the use of fund accounting data for planning and control. Prerequisites: ACC 321. Offered spring, odd-numbered years.

ACC 471 Introduction to Forensic Accounting This course covers topics associated with modern forensic and investigative accounting. Topics include the psychology of financial fraud, auditing for fraud and other financial crimes, cybercrime, use of technology in detection and evidence gathering, litigation support, and analysis of actual fraud cases. Course objectives include understanding the principles and practices used by public accountants, internal auditors, government investigators, and others engaged in examination of financial statements, supporting data, and internal control systems. Prerequisite: ACC 222 or ACC 335; suggested prerequisite or co-requisite: ACC 321, ACC 322, or ACC 441. Offered spring, odd-numbered years.

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

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

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 Introduction to 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 Survey of the Old Testament (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 a COM course. 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 development. Its foundation principles are taken from the biblical examples of one person helping prepare another for a life of service. Attention will be given to the teaching of scripture about the nurturing and relational nature of God as the model for mentoring. Each week will have one class meeting and a lab as a time for students to meet with their mentors. Prerequisite: Four of the following five courses: BIB 105, BIB 106, BIB 107, BIB 205, BIB 206. A practical ministry course. 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 a COM course. Offered spring, odd-numbered years.

BIB 329 Christian Service for Women (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 fall, even-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. Prerequisite: Sophomore standing. 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.

BUSINESS

BUS 121 Introduction to Business (1 credit) 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: \$40. Offered fall and spring.

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

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. 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. Prerequisite: Basic typing skills, ENG 132, and COM 131. *A writing-enhanced course.*

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. 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.* Prerequisite: Admission to the business program and junior standing, or consent. 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. 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. 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. 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. 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: \$40. 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.

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

CHINESE

CHN 101 Chinese I (3 credits) Mandarin Chinese grammar, vocabulary, writing, listening, speaking, and reading. 3 credits. Offered fall.

CHN 102 Chinese II (3 credits) Continuation of CHN 101. Prerequisite: CHN 101 or equivalent competence. 3 credits. Offered spring.

CHN 201 Chinese III (3 credits) Continuation of CHN 102. Prerequisite: CHN 102 or equivalent competence. 3 credits. Offered fall.

CHN 202 Chinese IV (3 credits) Continuation of CHN 201. Prerequisite: CHN 201 or equivalent competence. 3 credits. Offered spring.

COMPUTER INFORMATION TECHNOLOGY

CIT 140 Information Processing (2 credits) An introduction to the use of business applications for commonly needed reports, documents, and presentation materials. This course will instruct students in the use of various applications and culminate in a semester project which uses all the applications to solve a business or industry issue. Students who believe they are already proficient in these skills should pursue testing out of the course. Topics include: Word, Excel, PowerPoint, and Outlook. Course fee: \$30.

CIT 141 PC Fundamentals (2 credits) This is an introductory course in personal computer hardware and operating systems. Basic concepts and terminology regarding PC hardware, peripherals, computing concepts, and customer service will be covered. Course fee: \$30. Offered on demand.

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. Course fee: \$30. Offered fall.

CIT 143 Fundamentals of Computer Technology (3 credits) This comprehensive, hands-on course will prepare students for the CompTIA A+ 220-801 certification exam, which covers the fundamentals of computer technology, installation and configuration of PCs, laptops and related hardware, and basic networking. Upon completion of the course, students will sit for the COMPTIA A+ 220-801 certification exam. Prerequisite: IT majors and minors only. Course fee: \$319 (LabSim \$125, 220-801 Exam \$194). Offered fall.

CIT 145 Install and Configure PC Operating Systems (3 credits) This comprehensive, hands-on course will prepare students for the CompTIA A+ 220-802 certification exam, which covers the skills required to install and configure PC operating systems, as well as configuring common features (e.g., network connectivity and email) for mobile operating systems Android and Apple iOS. Upon completion of the course, students will sit for the CompTIA A+ 220-802 certification exam. Prerequisite: IT majors and minors only, and CIT 143 with grade of C or higher. Course fee: \$194 (220-802 exam). Offered spring.

CIT 151 Microsoft Word (3 credits) In this comprehensive, 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. Prerequisite: Non-IT major. Course fee: \$30. Students cannot earn credit for both CIT 151 and CIT 351. Offered fall and summer.

CIT 152 Microsoft PowerPoint (3 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. Prerequisite: Non-IT major. Course fee: \$30. Students cannot earn credit for both CIT 152 and CIT 352. Offered spring and summer.

CIT 153 Microsoft Excel (3 credits) In this comprehensive, 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. Students cannot earn credit for both CIT 153 and CIT 353. Prerequisite: Non-IT major. Course fee: \$30. Offered spring and summer.

CIT 154 Microsoft Access (3 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 cannot earn credit for both CIT 154 and CIT 354. Prerequisite: Non-IT major. Course fee: \$30. Offered fall and summer.

CIT 240 Computer Applications for Ministry (2 credits) A hands-on course in how to use the computer in ministry situations. 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: \$30. Prerequisite: CIT 140 or consent. 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. Students will obtain a baseline of knowledge that will enable them to pursue the CompTIA Network+ certification. Topics include network architecture, network operations, network security, troubleshooting, and industry standards practices, and network theory. Upon completion of the course, students will sit for the CompTIA Network certification exam. Prerequisite: IT majors and minors only. Course fee: \$366 (LabSim \$89, Network+ Exam \$227). Offered spring, even-numbered years.

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

CIT 340 Network Design and Administration I (3 credits) This course is designed to provide an in-depth view of the design and administration of modern communications networks. Students will learn various networking design and administration skills. Topics include: network design and specification, router and switching technologies, firewalls and intrusion detection technologies, and advanced TCP/IP network administration. Prerequisite: IT majors and minors only, and CIT 241 with a grade of C or higher. Course fee: \$150. Offered fall, even-numbered years.

CIT 342 Database Management Systems (3 credits) This course is an introduction to database systems. Students will learn the fundamentals of using and implementing relational database management systems. First, from the *user* perspective (i.e., how to use a database system), the course will discuss conceptual data modeling, the relational and other data models, database schema design, and the SQL query language. Further, from the *systems* perspective (i.e., how to design and implement a database system), the course will study data representation, indexing, transaction processing, and crash recovery. Topics include: Data Modeling, Normalization, SQL, Microsoft Access, MySQL. Prerequisite: CIT 354 with grade of C or higher. Course fee: \$75. Offered fall, even-numbered years.

CIT 344 Information Technology Project Management (3 credits) This course is designed to provide students with an understanding of Project Management. Students will build their skills from an introductory level to become a foundation for tomorrow's creators and managers by providing meaningful examples of real projects—both successful and failed—and applying the lessons they teach to a sound framework in IT project management. Topics include: Project Management Skills, Microsoft Project. Prerequisite: CIT 142 with grade of C or higher. Course fee: \$277 (Project+ Exam). Offered spring, even-numbered years.

CIT 345 Operating Systems (3 credits) This course is designed to provide students with an introduction to operating systems. From Red Hat Linux to Mac OS, this course provides basic-to-intermediate skills in the areas of the organization and structure of modern operating systems and concurrent programming concepts. Issues researched include deadlock, virtual memory, processor scheduling, disk systems, performance, security, and protection. Topics include: Linux, Microsoft Windows, Mac OS, as well as concepts and fundamentals of Operating Systems. Prerequisite: IT majors and minors only, and CIT 142 with a grade of C or higher. Course fee: \$75. Offered fall, odd-numbered years.

CIT 351 Microsoft Word Expert (3 credits) In this comprehensive, 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 2013 Expert Exams 77-425 and 77-426. Students cannot earn credit for both CIT 151 and CIT 351. Course fee: \$300 (Exam 77-425 – \$150, Exam 77-426 – \$150). Offered fall and summer.

CIT 352 Microsoft PowerPoint Specialist (3 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 in preparation for taking the Microsoft Office 2013 Microsoft Office Specialist Exam 77-422. Students cannot earn credit for both CIT 152 and CIT 352. Course fee: \$150 (77-422 – \$150). Offered spring and summer.

CIT 353 Microsoft Excel Expert (3 credits) In this comprehensive, 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 2013 Expert Exams 77-427 and 77-428. Students cannot earn credit for both CIT 153 and CIT 353. Course fee: \$300 (Exam 77-427 – \$150, Exam 77-428 – \$150.) Offered spring and summer.

CIT 354 Microsoft Access Specialist (3 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 in preparation for taking the Microsoft Office 2013 Microsoft Office Specialist Exam 77-424. Students cannot earn credit for both CIT 154 and CIT 354. Course fee: \$150 (Exam 77-424 – \$150). Offered fall and summer.

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. 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 440 Database Design and Administration (3 credits) This course is designed to provide an in-depth view of the design and administration of modern database systems. Students will learn advanced techniques in database design and administration. This course will provide the basic skills needed for a database administrator. Students will gain experience with one or more Enterprise-level database management systems. Prerequisite: IT majors and minors only, and CIT 342 with a grade of C or higher. Course fee: \$75. Offered spring, odd-numbered years.

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. Upon completion of the course students will sit for the CompTIA Security+ Exam. Prerequisite: CIT 142 with grade of C or higher. Course fee: \$391 (LabSim \$89, Security+ Exam \$302). Offered spring, even-numbered years.

CIT 445 Advanced Server Administration (3 credits) This course is designed to provide an in-depth view of the administration of server operating systems. Students will learn advanced techniques in server installation, administration, and maintenance, as well as the installation and maintenance of middleware services. Topics include: Linux/Unix and Windows Server installation and configuration, network services administration, basic operating systems security, and middleware installation and configuration. Prerequisite: IT majors and minors only, and CIT 345 with grade of C or higher. Course fee: \$75. Offered spring, even-numbered years.

CIT 447 Network Design and Administration II (3 credits) This course is a continuation of CIT 340 and is designed to provide a deeper view of the design and administration of modern communications networks. Students will learn various network design and administration skills. Topics include: Operation of IP Data Networks, LAN Switching Technologies, IP addressing (IPv4 / IPv6), IP Routing Technologies, IP Services, Network Device Security, Troubleshooting, and WAN Technologies. Prerequisite: IT majors and minors only, and CIT 340 with grade of C or higher. Course fee: \$300 (CCNA 200-120 Exam). Offered spring, odd-numbered years.

CIT 471 Information Assurance (3 credits) This course is designed to provide students with an introduction to Information Assurance (IA), with a focus on the core IA concepts of confidentiality, integrity, availability, authentication, and non-repudiation. Students will gain an understanding of the steps necessary to guarantee CIA-AN, as well as related legal and ethical issues. Upon completion of the course, students will sit for the CompTIA CASP Exam. Prerequisite: IT majors and minors only, and CIT 441 with a grade of C or higher. Course fee: \$402 (CASP Exam). Offered spring, odd-numbered years.

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.

CIT 492-95 Information Technology Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. 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 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 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 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 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 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. 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. 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. 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. Cross-listed as SOC 220; students cannot earn credit for both courses. Course fee: \$20. 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, 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, 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, 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. Prerequisite: CRJ 220 or SOC 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, 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 or SOC 101, or consent of instructor. Cross-listed as SOC 334; students cannot earn credit for both courses. Offered on demand.

CRJ 340 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 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 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 or SOC 101, or consent of instructor. Cross-listed as SOC 365; students cannot earn credit for both courses. 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, 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, or consent of instructor. This course does not fulfill the OVU Bible requirement. 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 or SOC 101, or consent of instructor. Cross-listed as SOC 410; students cannot earn credit for both courses. 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 or BUS 121, or consent of instructor. Course fee: \$20. 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 or SOC 101, or consent of instructor. Cross-listed as SOC440; students cannot earn credit for both courses. 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 or SOC 101, or consent of instructor. Cross-listed as SOC 445; students cannot earn credit for both courses. 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 or SOC 101, or consent of instructor. Cross-listed as SOC 450; students cannot earn credit for both courses. 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. 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. 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. 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. Students cannot earn credit for both ECO 236 and ECO 238. Offered on demand.

EDUCATION

EDUC 120 CASE Preparation (1 credit) 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 are to register for EDUC 120 two semesters before they plan to take EDUC 200 (Introduction to Education). 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. Unless a student is exempt from the CASE Test requirement, passing the three CASE tests is a prerequisite for EDUC 200 (Introduction to Education). EDUC 120 may be taken no more than twice. Grade basis is pass/no grade. Offered fall and spring.

EDUC 200 Introduction to Education (2 credits) Career opportunities in education; the nature of the school, the profession, school law, and teacher education. Twenty hours of field experience are required. This course may be repeated only once. Co-requisite: EDUC 299. Course fee: \$42. Prerequisites: Passing scores on all three CASE tests (unless the student is exempt from CASE tests), ENG 131, and ENG 132, each with a grade of B or higher. To be taken no earlier than the second semester of the sophomore year. This course may not be completed through transfer. Offered fall and spring.

EDUC 215 Classroom Management (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 200, 233, and 320. *A writing-enhanced course.* Offered fall.

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: EDUC 200 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: EDUC 200. 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. Prerequisite: CIT 140 or 142. 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.*

EDUC 319 Methods of 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) Principles of learning theories and introduction to standardized tests and teacher-constructed assessments used in classrooms. Emphasis will be placed on the interpretation and application of learning theories and assessments to assist the teacher in planning, delivering, and evaluating student learning. Offered spring and summer.

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: \$25. Prerequisites: EDUC 320 and admission to the teacher education program. This course may be repeated only once. Offered fall.

EDUC 322 Methods of Teaching Health and P.E., K-6 (2 credits) A study of organizing physical education and health instruction and activities in the elementary school classroom, with emphasis on lifetime fitness and wellness. Ten hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 200 and EDUC 320. Offered spring.

EDUC 323 Methods of 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: EDUC 200. Recommended co-requisite: EDUC 324. Offered fall during last eight weeks.

EDUC 324 Methods of 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: EDUC 200. Recommended co-requisite: EDUC 323. Offered fall during first eight weeks.

EDUC 326 Methods of 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 Methods of 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 302, EDUC 320, and admission to the teacher education program. Co-requisite: EDUC 328. *A writing-enhanced course.* Offered fall.

EDUC 328 Methods of Teaching Reading K-6 (3 credits) A study of the processes involved in learning and teaching reading as well as resources, methods, and materials available. The study emphasizes the five dimensions of reading (phonemic awareness, phonics, reading fluency, vocabulary development, and comprehension), as well as diversity, learning styles, and special needs. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 302, EDUC 320, and admission to the teacher education program. Co-requisite: EDUC 327. Offered fall.

EDUC 329 Curriculum and Methods for Teaching Elementary Wellness K-6 (2 credits) A study of organizing and 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. Prerequisites: EDUC 320 and admission to the wellness education program. Offered spring, odd-numbered years.

EDUC 331 Methods of 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 Methods of 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 333 Methods of Teaching Secondary Science, 5-Adult (3 credits) A study of philosophical and methodological issues related to teaching science at the secondary level. Emphasis is placed on upper-level sciences. 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 Methods of 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 Methods of Teaching Secondary Wellness, 5-Adult (3 credits) This course emphasizes methods of teaching health, organizing and implementing health programs in the schools, and the promotion of wellness in the school and community. Forty 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 Methods of 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 Methods of 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 302 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 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 299, 319, 321, 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 299, 319, 321, 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 299, EDUC 321, 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 321, EDUC 335, EDUC 414, and SPED 341. Offered fall and spring.

EDUC 435 Student Teaching in Special Education K-A (1 credit) This student teaching placement will occur in the semester following the regular student teaching placements. Students will complete a student teaching placement in special education for seven weeks 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: Elementary or secondary education certification or currently in program, and admission to student teaching. 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 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 101 Learning to Learn Online (3 credits) Designed to equip students for success as they transition into the online classroom, this course offers strategic information tailored to ensure academic excellence in this unique learning environment; this information includes Christian Higher Education foundations and beliefs, Online resources for success, Blackboard navigation techniques, time management strategies, the adult learner's responsibilities, methods for identifying and avoiding academic misconduct, scholarly research tactics, and approaches for selecting the appropriate courses toward completion of the preferred degree program. Course fee: \$50. Offered fall.

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: \$50. 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 I (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: \$350 (for simulation access). Offered for the first time fall 2016, and every fall thereafter.

EMPE 201 Industrial Energy II (3 credits) This course focuses on the processes and equipment used in the generation of electric power. Topics include combined cycle power-plant fundamentals, heat recovery steam generators, plant water and steam systems, steam and gas turbines, and electrical power generation. Basic math and science functions are covered as well. These include elemental math and physics topics such as momentum, gravity, energy, motion, electricity and magnetism, heat and thermodynamics, and chemistry fundamentals. Prerequisite: EMPE 200. Course fee: \$350 (for simulation access). Offered for the first time spring 2017, and every spring thereafter.

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 for the first time summer 2017, and every summer thereafter.

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 for the first time fall 2017, and every fall thereafter.

EMPE 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. Prerequisite: EMPE 301. Course fee: \$50. Offered for the first time fall 2018, and every fall thereafter.

EMPE 370 Geographic Information System (3 credits) An analysis of the various sources of energy (both fossil and renewable) utilized by modern This course is designed to provide practical experiences in spatial database design and analysis using Geographical Information System (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. Prerequisite: EMPE 330. Course fee: \$50. Offered for the first time spring 2019, and every spring thereafter.

EMPE 398 Summer Internship for Minor Concentration (3 credits) Professional work experience in an external organization (pre-arranged and pre-approved internship) supervised by a faculty member. Forty-five hours of work per credit hour, plus written and oral assignments. Students completing this course will do all the required work of EMPE 198, EMPE 298, and EMPE 398. Students will complete a research paper, a web-publishable article, and a presentation (given in the fall). Course fee: \$50. Prerequisite: Accepted into the EMPE program or consent of the chair of the EMPE Program.

EMPE 399 Summer Internship: Energy Company(1 credit) Student will complete an 8-10 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 for the first time summer 2018, and every 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. 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.

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.

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. 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. 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.

GEOGRAPHY

GEO 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.

GREEK

GRK 101 Introduction to Greek I (4 credits) The essentials of New Testament Greek language including vocabulary, the basic inflections, and syntax. Offered fall.

GRK 102 Introduction to Greek II (4 credits) A continuation of Greek I. Includes exercises in translation. Prerequisite: GRK 101. Offered spring.

GRK 201 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: GRK 102. Offered fall.

GRK 202 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: GRK 102. Offered spring.

GRK 301 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: GRK 201 or 202. Offered fall, on demand.

GRK 302 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: GRK 201 or 202. Offered spring, on demand.

GRK 492-95 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 the Septuagint, Josephus, Church Fathers, etc. *Fulfills Bible course requirement.* Prerequisite: GRK 201 or GRK 202. Offered on demand.

HEBREW

HEB 101 Introduction to Hebrew I (4 credits) The essentials of the Hebrew language, including vocabulary, forms, and syntax. Offered fall, odd-numbered years.

HEB 102 Introduction to Hebrew II (4 credits) A continuation of Hebrew I. Includes exercises in translation. Prerequisite: HEB 101. Offered spring, even-numbered years.

HEB 201 Hebrew Readings I (3 credits) A review of grammatical principles, vocabulary development, and translation of selected Old Testament passages. *Fulfills Bible course requirement.* Prerequisite: HEB 102. Offered fall, even-numbered years.

HEB 202 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: HEB 102. Offered spring, odd-numbered years.

HEB 492-95 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: HEB 201 or 202. Offered on demand.

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 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 301 West Virginia History (3 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, 1607-1776 (3 credits) A study of the European background, discovery and settlement of the thirteen colonies; British colonial policy, religion, economic life, and cultural development. Prerequisite: HIS 133 or permission of instructor. Offered fall, odd-numbered years.

HIS 317 Contemporary American History, 1914–Present (3 credits) A study of the United States in World War I, the Depression, World War II, the Cold War and post-Cold War eras, with emphasis on social, political, and economic developments. Prerequisite: HIS 134 or permission of instructor. Offered spring, even-numbered years.

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 spring, even-numbered years.

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 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.* Cross-listed as REL 341; students cannot earn credit for both courses. Offered fall, odd-numbered years.

HIS 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. Cross-listed as REL 342. Offered spring, odd-numbered years.

HIS 421 Nineteenth-Century U.S. History (3 credits) A study of the development and expansion of the United States, emphasizing the themes of nationalism, “manifest destiny,” the Civil War and Reconstruction, the Industrial Revolution, and imperialism. Prerequisite: HIS 133 or 134, or consent of instructor. Offered fall, even-numbered years.

HIS 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: \$25. Cross-listed as REL 441; students cannot earn credit for both courses. Offered spring, even-numbered years.

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 spring, odd-numbered years.

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. *Fulfills Bible course requirement. A writing-enhanced course.* Cross-listed as REL 461; students cannot earn credit for both courses. Offered fall, even-numbered years.

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 400 Honors Project (0 credits) Honors Program students who have completed the project proposal process should enroll in this course each semester until the project is completed. Grade basis is pass/no pass. Prerequisite: Participation in the Honors Program.

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 Seminar International (0-4 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. The practicum is given by the consent of the director of interdisciplinary studies or by a designated instructor.

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 280 Western Literature Seminar International (1-4 credits) Offered as part of an international program and designed to provide a general survey of the literature of a specific region, enhanced by visiting the historical sites, museums, and artifacts associated with the literature. Specific course topics may vary according to the geographic region.

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 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 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.

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. 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 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. 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. 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 fall.

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 (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 an 19 on the mathematics section of the ACT (or SAT equivalent). Offered fall.

MAT 151 College Algebra (3 credits) Quadratic equations, ratios, proportions, variation, binomial theorem, progressions, inequalities, complex numbers, permutation and combinations, determinants, probability, partial fractions, and mathematical induction. 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 and Analytics I (4 credits) A detailed study of differential and integral calculus. Primarily for majors in mathematics and technical fields. 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 and Analytics II (4 credits) Continuation of MAT 241. Primarily for majors in mathematics and technical fields. Prerequisite: MAT 241. Offered spring.

MAT 251 Mathematics in the Elementary School (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 290-298 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 and Analytics III (3 credits) Continuation of MAT 242. Primarily for majors in mathematics and technical fields. 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, even-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 Modern Algebra (3 credits) Topics include concepts from set theory, number systems, groups, rings, and fields. Prerequisite: ENG 132 and 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. 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, organization, leadership, and control, including the history and development of management theory. Prerequisite: BUS 121 and ENG 132. *A writing-enhanced course.* 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.

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. 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. 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. 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. 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. 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. Prerequisite: ECO 236, 237 or 238, ENG 132, MGT 230, and junior standing, or consent. Offered fall.

MGT 431 Human Resource Management (3 credits) Study of employer/employee relationships, personnel policies and administration, recruitment, training, supervision, and discipline issues. 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 popular business literature. Prerequisite: MGT 230 and junior standing, or consent. Cross-listed as SOC 433; students cannot earn credit for both courses. Offered 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. 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. 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.

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.

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. 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.

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. 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. 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. 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. 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. 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. 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.

MKT 492-95 Marketing Special Topics (1-6 credits) A course focused on a specific topic not ordinarily part of the OVU curriculum. 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; a spring tour is conducted in May in even-numbered years. 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 with a particular emphasis on the genre of blues, jazz, rock and Western Art Music. 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 (e.g., biology and biochemistry), biology education, or general science education. 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 fall.

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 CHEM 223 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, also NSC 141 & 142 are recommended. 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.

PHED 111 Beginning 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 113 Beginning 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 114 Advanced Swimming (1 credit) Refinement of essential skills in swimming with an emphasis on swimming as a lifelong fitness activity. Course fee: \$65. Offered on demand.

PHED 117 Beginning Basketball (1 credit) This course provides for introductory 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 I (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 141 Karate II (1 credit) Continuation of skills developed in Karate I (PHED 140). Course fee: \$25. Prerequisite: PHED 140. Offered on demand.

PHED 142 Karate III (1 credit) Continuation of skills developed in Karate II (PHED 141). Course fee: \$25. Prerequisite: PHED 141. Offered on demand.

PHED 170 Yoga (1 credit) A mixed-level Hatha Yoga class that emphasizes a vinyasa style (Yoga sequences connected with the breath). Includes attention to postural alignment to safely develop strength, endurance, flexibility, balance, and reduce stress. Develops awareness and consciousness in the physical body to help unite body and mind. Class will include breathing practices, meditation and deep relaxation. Course fee: \$50. Offered on demand.

PHED 171 Advanced Yoga (1 credit) Continuation of skills developed in Yoga (PHED 170). Course fee: \$50. Prerequisite: PHED 170. Offered on demand.

PHED 172 Zumba I (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. Course fee: \$30. Offered on demand.

PHED 173 Zumba II (1 credit) Continuation of the skills learned in PHED 173. 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 206 Advanced Weight Training (1 credit) Continued development of knowledge and techniques necessary for increasing muscle function. Course includes assessment of status and development of a personal program. Prerequisite: PHED 106 or consent of instructor. Offered on demand.

PHED 211 Advanced Bowling (1 credit) Continued development in the skills of bowling. Course fee: \$60. Prerequisite: PHED 111 or consent of instructor. Offered on demand.

PHED 217 Advanced Basketball (1 credit) This course provides for further 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. Prerequisite: PHED 117 or consent of instructor. Offered on demand.

PHED 250-263, Varsity Sports Students may repeat for credit courses associated with varsity sports, but a maximum of 4 hours credit toward a degree may be earned.

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 Lacrosse (1 credit) Open only to varsity lacrosse team members. Offered spring.

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

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. Cross-listed as SPMGT 300; students cannot earn credit for both courses. 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. Cross-listed as SPMGT 301; students cannot earn credit for both courses. 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. Cross-listed as SPMGT 302; students cannot earn credit for both courses. Offered fall, even-numbered years.

PHED 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. Cross-listed as SPMGT 303; students cannot earn credit for both courses. Offered spring, 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 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.

POLITICAL SCIENCE

POL 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 fall, odd-numbered years.

POL 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 spring, even-numbered years.

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

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 (2 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 211 Marriage and Family (2 credits) A study of dating, marriage, and family relationships. Students cannot earn credit for both BIB 211 and PSY 211.

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 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 (2 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 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 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 080 College Reading I (3 credits) Instruction and practice in reading and studying college material, including understanding the nature of reading, reading for specific purpose and comprehension, and vocabulary development. 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. Course fee: \$30. Offered fall, and in spring on demand.

REA 090 College Reading II (3 credits) Continuation of College Reading I. 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. 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.* Cross-listed as HIS 341; students cannot earn credit for both courses. 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. Cross-listed as HIS 342; students cannot earn credit for both courses. 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 372 Philosophy of Religion (3 credits) A general introduction to and a biblical perspective of the major issues and theories in the philosophy of religion, including the nature of reality, logic and rationality, the existence of God, religious experience, the problem of evil, and ethics. *Fulfills Bible course requirement.* Offered on demand.

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: \$25. Cross-listed as HIS 441 and SOC 441; students cannot earn credit for more than one course. Offered spring, even-numbered years.

REL 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: HIS 131 or permission of instructor. Prerequisite: ENG 132. *Fulfills Bible course requirement. A writing-enhanced course.* Cross-listed as HIS 461; students cannot earn credit for both courses. Offered fall, 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 Principles of 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 130 American International Culture (3 credits) This course promotes the understanding of American culture through the study of American history, language, customs, and institutions. The focus is on improving vocabulary and language use to discuss the abstract concepts of culture, connecting U.S. history and current events to cultural attitudes and values. *Fulfills diversity requirement.* Offered on demand.

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 233 Sociology of Leadership (3 credits) This course examines the mission, values, vision, and principles of leadership. Students will gain a better understanding of themselves, develop their leadership knowledge, and learn how to make a difference in their communities. Offered on demand.

SOC 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. Cross-listed as CRJ 220; students cannot earn credit for both courses. Course fee: \$20. Offered fall, even-numbered years.

SOC 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.*

SOC 280 Sociology Seminar International (1-6 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.

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

SOC 299 Sociology 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.

SOC 327 Field Work in Sociology (3 credits) A practical self-selected experience from among approved settings within modern formal organizations including industrial, governmental and educational systems. Emphasis will be on observing the organization's purpose in society, its structure and the functions of its members. Offered on demand.

SOC 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 or SOC 101, or consent of instructor. Cross-listed as CRJ 334; students cannot earn credit for both courses. 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 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.*

SOC 352 Understanding Multicultural Diversity-International (3 credits) This course is similar in objectives to SOC 351 but is designed to take advantage of a student's brief residency in an international situation in which he or she can learn from first-hand experiences. The residency in an international situation must be long enough to make the experience meaningful academically. The course requires special permission from the vice president for academic affairs and requires a designated teacher to oversee the coursework. *Fulfills diversity requirement.*

SOC 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 or SOC 101, or consent of instructor. Cross-listed as CRJ 365; students cannot earn credit for both courses. Offered on demand.

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.

SOC 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 or SOC 101, or consent of instructor. Cross-listed as CRJ 410; students cannot earn credit for both courses. Offered spring, even-numbered years.

SOC 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 popular business literature. Prerequisite: MGT 230 and junior standing, or consent. Cross-listed as MGT 433; students cannot earn credit for both courses. Offered on demand.

SOC 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 or SOC 101, or consent of instructor. Cross-listed as CRJ440; students cannot earn credit for both courses. Offered on demand.

SOC 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: \$25. Cross-listed as HIS 441 and REL 441; students cannot earn credit for more than one course. Offered spring, even-numbered years.

SOC 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 or SOC 101, or consent of instructor. Cross-listed as CRJ 445; students cannot earn credit for both courses. Offered on demand.

SOC 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 or SOC 101, or consent of instructor. Cross-listed as CRJ 450; students cannot earn credit for both courses. Offered on demand.

SOC 451 Senior Seminar (3 credit hours) This course is an introduction to professional opportunities in sociology and related fields. It is an exploration of the issues one must consider in order to pursue a career and/or graduate school in sociology and related fields. Focuses of this course include a review of the field of sociology, resume & curriculum vitae writing, and interview techniques. Prerequisite: SOC 299. Offered fall.

SOC 489 Sociology Practicum (3-6 credit hours) 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 are required for each credit hour earned. Prerequisite: ENG 132 and SOC 299 or consent of instructor. *A writing-enhanced course.*

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

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

SOC 498 Sociology 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.

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.

SPECIAL EDUCATION

SPED 302 Curriculum and Methods of 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: EDUC 200, EDUC 320, SPED 341, PSY 233, and admission to the teacher education program. Offered fall and summer.

SPED 303 Curriculum and Methods of 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: EDUC 200, EDUC 320, SPED 341, PSY 233, and admission to the teacher education program. Offered spring and summer.

SPED 304 Curriculum and Methods of Mental Impairments (3 credits) A practical and contemporary study of curriculum methods, materials, and processes involved in meeting the needs of students with mental impairments. Twenty hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 200, 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: EDUC 200 and SPED 341, and admission to the teacher education program. Offered fall and summer.

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 332, 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. Fifteen hours of field experience are required. Course fee: \$25. Prerequisites: EDUC 328, EDUC 332, 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 15 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 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, mentally retarded, emotionally disturbed, sensory disabled, and those with mental, physical, and multiple disabilities. Twenty hours of field experience are required. Course fee: \$25. Prerequisite EDUC 200 and admission to the teacher education program. Offered spring.

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

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: \$40. Grade basis is pass/no grade.

SPMGT 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. Cross-listed as PHED 300; students cannot earn credit for both courses. Offered spring, even-numbered years.

SPMGT 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. Cross-listed as PHED 301; students cannot earn credit for both courses. Offered spring, odd-numbered years.

SPMGT 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. Cross-listed as PHED 302; students cannot earn credit for both courses. Offered fall, even-numbered years.

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. Cross-listed as PHED 303; students cannot earn credit for both courses. Offered spring, even-numbered years.

SPMGT 398 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 50 clock-hours of work. Hours must be determined at registration. Prerequisite: Program coordinator approval. Offered on demand.

SPMGT 399 Internship in Sports Management (1-4 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. Prerequisite: Program coordinator approval. 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. 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.* Course fee: \$40. 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.

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.

THEATRE

THE 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. THE 113 may be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Course fee: \$240.

THE 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. THE 115 may be repeated for credit, but a maximum of 4 hours credit toward a degree may be earned. Prerequisite: Permission of the instructor.

THE 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. THE 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.

THE 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.

THE 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.

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

THE 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.

THE 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.

THE 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.

THE 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.

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 (2 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.