Spring 2014
Racer Academy Course Offerings

- ➢ Courses with an arrow fulfill MSU University Studies requirements. These courses will satisfy General Studies requirements at most colleges and universities in the USA.
- ❖ Courses with a diamond are offered on line.

AGR/AED Agriculture – The Murray State University Hutson School of Agriculture offers a variety of Racer Academy courses. For a full listing of Agriculture courses, please go to the HSOA web page http://www.murraystate.edu/agr.aspx

➢ **ART 105 - R01 Studio Art for Non-Majors - 15692 -** 3.000 Credits
5:00 pm - 7:45 pm, MW, Visual Arts Building 104, Jan 13, 2014 - May 09, 2014, Edward Francis Lott
A studio course designed to introduce non-art majors to the processes of visual language and basic studio techniques that are fundamental to creating images. Six hours per week.

➢ **ART 105 - R02 Studio Art for Non-Majors - 15693 -** 3.000 Credits
5:00 pm - 7:45 pm, TR, Price Doyle Fine Arts Center 1010, Jan 13, 2014 - May 09, 2014, Cody Arnall
A studio course designed to introduce non-art majors to the processes of visual language and basic studio techniques that are fundamental to creating images. Six hours per week.

➢ **ART 121 - R01 Art Appreciation -15696** - 3.000 Credits
3:30 pm - 4:45 pm, MW, Price Doyle Fine Arts Center 623, Jan 13, 2014 - May 09, 2014, H. Haakenson
Surveys the various aspects of the visual and functional arts and their relationship to human life and society. A variety of art forms from different cultures and historical periods will be studied. Does not count toward art history minor. A student cannot have credit for both ART 121 and HON 161.

➢ **ART 121 - R03 Art Appreciation - 15697** - 3.000 Credits
❖ Instruction On-Line, Jan 13, 2014 - May 09, 2014, Shannon Smeltzer Duffy
Surveys the various aspects of the visual and functional arts and their relationship to human life and society. A variety of art forms from different cultures and historical periods will be studied. Does not count toward art history minor. A student cannot have credit for both ART 121 and HON 161.

➢ **ART 121 - R04 Art Appreciation - 15698** - 3.000 Credits
❖ Instruction On-Line, Jan 13, 2014 - May 09, 2014, Ariel Renee Lavery
Surveys the various aspects of the visual and functional arts and their relationship to human life and society. A variety of art forms from different cultures and historical periods will be studied. Does not count toward art history minor. A student cannot have credit for both ART 121 and HON 161.

➢ **AST 115 - R01 Introductory Astronomy - 13862** - 3.000 Credits
10:30 am - 11:20 am, MWF, Blackburn Science Building 135, Jan 13, 2014 - May 09, 2014, J. Ridley
Descriptive examination of the objects of the solar system and the stellar universe. A brief historical presentation of the fundamental astronomical theories provides a basis for the examination. Multimedia presentations are used. ***Co-requisite: AST 116.***

➢ **AST 116 - R01 Introductory Astronomy Laboratory - 13863** - 1.000 Credits
1:30 pm - 3:20 pm, M, Blackburn Science Building 157, Jan 13, 2014 - May 09, 2014, Joshua Ridley
Laboratory to accompany AST 199. Two hours laboratory per week. ***Corequisite: AST 115.***

- **AST 116 - R02 Introductory Astronomy Laboratory - 13864** - 1.000 Credits
  3:30 pm - 5:20 pm, M, Blackburn Science Building 157, Jan 13, 2014 - May 09, 2014, Joshua Ridley
  Laboratory to accompany AST 199. Two hours laboratory per week. ***Corequisite: AST 115.***

- **AST 116 - R03 Introductory Astronomy Laboratory - 14190** - 1.000 Credits
  3:30 pm - 5:20 pm, W, Blackburn Science Building 157, Jan 13, 2014 - May 09, 2014, Joshua Ridley
  Laboratory to accompany AST 199. Two hours laboratory per week. ***Corequisite: AST 115.***

- **CHE 101 - R02 Consumer Chemistry -14674 -** 4.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Judy Ratliff
  A brief course in chemistry for those who plan to take no more chemistry. Designed specifically to satisfy the University Studies physical science requirement. Explores social and cultural issues associated with science and technology to provide knowledge of resource conversion in a world dominated by an information explosion. Considers the impact of chemistry and technology on history, art, and business. Three lectures and two hours of laboratory per week. Not applicable to major or minor.

- **CHN 105 - R01 Introduction to Chinese Culture - 15513** - 3.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Jie Wu
  A survey of Chinese society. Contemporary and historical perspectives, attitudes, achievements, institutions, and lifestyles of the Chinese people are explored. Conducted in English.

- **COM 131 - R03 Introduction to Interpersonal Communication - 15324** - 3.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Christie Anderson Fierro
  Communication in an interpersonal environment. Topics studied include interpersonal perception, verbal and nonverbal communication, conflict reduction, and language and its use. Will not satisfy requirements for organizational communication major or minor.

- **COM 161 - R05 Introduction to Public Speaking -14614** - 3.000 Credits
  Calloway Co HS Campus, Jan 13, 2014 - May 09, 2014, Jessica Rae Beckham
  Organization and presentation of ideas through participation in frequent speech activities. Students present speeches to inform, solve problems and persuade. Communication needs of the individual students are considered and guidance is given by the instructor.

- **COM 161 - R10 Introduction to Public Speaking - 14727**- 3.000 Credits
  Murray HS Campus, Jan 13, 2014 - May 09, 2014, Darla Marie Keim
  Organization and presentation of ideas through participation in frequent speech activities. Students present speeches to inform, solve problems and persuade. Communication needs of the individual students are considered and guidance is given by the instructor.

- **COM 161 - R33 Introduction to Public Speaking -14659** - 3.000 Credits
  6:00 pm - 9:00 pm, M, Wilson Hall 306, Jan 13, 2014 - May 09, 2014, Paul Schaumburg
  Organization and presentation of ideas through participation in frequent speech activities. Students present speeches to inform, solve problems and persuade. Communication needs of the individual students are considered and guidance is given by the instructor.

- **COM 161 - R34 Introduction to Public Speaking - 14840** - 3.000 Credits
  6:00 pm - 9:00 pm, T, Wilson Hall 306, Jan 13, 2014 - May 09, 2014, Jeffrey A Gibson
  Organization and presentation of ideas through participation in frequent speech activities. Students present speeches to inform, solve problems and persuade. Communication needs of the individual students are considered and guidance is given by the instructor.

- **CSC 125 - R01 Internet and Web Page Design - 13865** - 3.000 Credits
  1:30 pm - 2:45 pm, MW, Business Building 455, Jan 13, 2014 - May 09, 2014, Ramona J Smith
  Introductory course covering the Internet, web page and web site design. The student will be introduced to the physical components of client-server networks and basic Internet including mailers, browsers, search engines, and FTP clients. The major part of this course will cover the fundamentals of creating web pages using freely available HTML text editors and a visual web authoring tool that provides a WYSIWYG design environment. Web page development will include the use of lists, hyperlinks, images, client-side image maps, tables, forms, cascading style sheets, and interactivity using basic JavaScript.

- **CSC 199 - R05 Introduction to Information Technology -13821** - 3.000 Credits
  5:00 pm - 9:00 pm, T, Business Building 201, Jan 13, 2014 - May 09, 2014, Linda Florence Johnsonius
  This course is designed for students pursuing any program of study. A student taking this course will gain competency with file management, word processing, spreadsheet, database management, and presentation graphics software. In addition, the student will become familiar with general computer technology such as computer hardware, computer operations, networks, the Internet and the World Wide Web. ***Prerequisite: math ACT score of at least 19 or MAT 096 (or MAT 117 or higher).***

- **CSC 199 - R06 Introduction to Information Technology - 14615** - 3.000 Credits
  Calloway Co HS Campus, Jan 13, 2014 - May 09, 2014, Linda Florence Johnsonius
  This course is designed for students pursuing any program of study. A student taking this course will gain competency with file management, word processing, spreadsheet, database management, and presentation graphics software. In addition, the student will become familiar with general computer technology such as computer hardware, computer operations, networks, the Internet and the World Wide Web. ***Prerequisite: math ACT score of at least 19 or MAT 096 (or MAT 117 or higher).***

- **CSC 199 - R17 Introduction to Information Technology - 15559** - 3.000 Credits
  Carlisle Co HS Campus, Jan 13, 2014 - May 09, 2014, Riza D Marjadi
  This course is designed for students pursuing any program of study. A student taking this course will gain competency with file management, word processing, spreadsheet, database management, and presentation graphics software. In addition, the student will become familiar with general computer technology such as computer hardware, computer operations, networks, the Internet and the World Wide Web. ***Prerequisite: math ACT score of at least 19 or MAT 096 (or MAT 117 or higher).***

- **CSC 199 - R18 Introduction to Information Technology - 14747** - 3.000 Credits
  Christian Co HS Campus, Jan 13, 2014 - May 09, 2014, Riza D Marjadi
  This course is designed for students pursuing any program of study. A student taking this course will gain competency with file management, word processing, spreadsheet, database management, and presentation graphics software. In addition, the student will become familiar with general computer technology such as computer hardware, computer operations, networks, the Internet and the World Wide Web. ***Prerequisite: math ACT score of at least 19 or MAT 096 (or MAT 117 or higher).***

- **CSC 199 - R19 Introduction to Information Technology - 15558** - 3.000 Credits
  Crittenden Co HS Campus, Jan 13, 2014 - May 09, 2014, Riza D Marjadi
  This course is designed for students pursuing any program of study. A student taking this course will gain competency with file management, word processing, spreadsheet, database management, and presentation graphics software. In addition, the student will become familiar with general computer technology such as computer hardware, computer operations, networks, the Internet and the World Wide Web. ***Prerequisite: math ACT score of at least 19 or MAT 096 (or MAT 117 or higher).***

- **EDU 103 - R01 Issues and Practices of American Education - 14770** - 3.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Audrey M Neal
  Course designed to provide all students with an overview of the field of education. Included are topics related to motivation and learning theory, curriculum, school organization, and historical, socio-cultural, psychological and philosophical foundations of education. Although this is also an initial education course for students seeking teacher certification, all students will be able to apply what they have learned as parents and concerned citizens in their adult lives. Field observations required.

EDU 104 - R32 Exploration of Teaching - 13907 - 3.000 Credits
Main Campus, Jan 13, 2014 - May 09, 2014, Deborah Rogers
An elective course for high school students interested in pursuing a career in teacher education which will serve as a bridge class between EDU 103 and collegiate level teacher education courses. The course will include an exploration of the professional qualities and expectations of the teacher/educator. Roles, responsibilities, and challenges in the field of education will be examined. The course will include a minimum of 22 hours of field experiences.

EDU 106 - R01 Tutoring and Mentoring in Schools - 15575 - 3.000 Credits
Main Campus, Jan 13, 2014 - Mar 05, 2014 , Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R05 Tutoring and Mentoring in Schools - 14769 - 3.000 Credits
Calloway Co HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R10 Tutoring and Mentoring in Schools - 14768 - 3.000 Credits
Murray HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R15 Tutoring and Mentoring in Schools - 16002 - 3.000 Credits
Ballard Co Vocation School Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R17 Tutoring and Mentoring in Schools - 14767 - 3.000 Credits
Carlisle Co HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R20 Tutoring and Mentoring in Schools - 16003 - 3.000 Credits
Dawson Springs HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R21 Tutoring and Mentoring in Schools - 15070 - 3.000 Credits
Fulton City HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R23 Tutoring and Mentoring in Schools - 15439 - 3.000 Credits
Graves Co HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide

techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R28 Tutoring and Mentoring in Schools - 15071 - 3.000 Credits
Lyon Co HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R29 Tutoring and Mentoring in Schools - 14766 - 3.000 Credits
Marshall Co HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R30 Tutoring and Mentoring in Schools - 15072 - 3.000 Credits
Mayfield HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

EDU 106 - R35 Tutoring and Mentoring in Schools - 16004 - 3.000 Credits
Trigg Co HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
This elective course is intended to provide a collegiate level service learning experience for high school students who wish to provide service to their school or district in the form of tutoring or mentoring student. This course will also provide experiences for high school students interested in pursuing teacher education or other human service oriented careers. The course will include training in basic techniques of tutoring in a number of academic areas. The course may also provide techniques for peer mentoring for students who would benefit from support for the academic, social, or psychological aspects of the school experience. The course will include a minimum of 22 hours of tutoring or mentoring experiences.

- **ENG 105 - R27 Critical Reading, Writing, and Inquiry - 15154** - 4.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Ronald Virgil Hopper
  Instruction and practice in close reading, research, and critical thinking as applied to academic writing, with emphasis on analysis, synthesis, and argument. ENG 101 in combination with ENG 102 will substitute for ENG 105. International students admitted unconditionally may take ENG 105. ***Prerequisites: ENG 100 or English ACT of at least 18 and Reading ACT score of at least 20 or successful completion of REA 100 and 120.***

- **ENG 105 R28 Critical Reading, Writing, and Inquiry -15157** - 4.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Ronald Virgil Hopper
  Instruction and practice in close reading, research, and critical thinking as applied to academic writing, with emphasis on analysis, synthesis, and argument. ENG 101 in combination with ENG 102 will substitute for ENG 105. International students admitted unconditionally may take ENG 105. ***Prerequisites: ENG 100 or English ACT of at least 18 and Reading ACT score of at least 20 or successful completion of REA 100 and 120.***

- **ENG 105 - R29 Critical Reading, Writing, and Inquiry - 15159** - 4.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Sarah Kate Austin
  Instruction and practice in close reading, research, and critical thinking as applied to academic writing, with emphasis on analysis, synthesis, and argument. ENG 101 in combination with ENG 102 will substitute for ENG 105. International students admitted unconditionally may take ENG 105. ***Prerequisites: ENG 100 or English ACT of at least 18 and Reading ACT score of at least 20 or successful completion of REA 100 and 120.***

- **FRE 102 - R01 Social Interactions in French - 13823** - 3.000 Credits
  10:30 am - 11:20 am, MWF, Faculty Hall 405, Jan 13, 2014 - May 09, 2014, Therese Saintpaul
  Expanding upon skills built in FRE 101, students move toward increasing linguistic and social awareness of French-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple French; and to demonstrate basic understanding of aspects of French or Francophone culture that may differ from their own. ***Prerequisite: FRE 101 or equivalent***.

- **FRE 102 - R02 Social Interactions in French -13825** - 3.000 Credits
  11:30 am - 12:20 pm, MWF, Faculty Hall 405, Jan 13, 2014 - May 09, 2014, Therese Saintpaul
  Expanding upon skills built in FRE 101, students move toward increasing linguistic and social awareness of French-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple French; and to demonstrate basic understanding of aspects of French or Francophone culture that may differ from their own. ***Prerequisite: FRE 101 or equivalent.***

- **GER 102 - R01 Social Interactions in German - 13827** - 3.000 Credits
  10:30 am - 11:20 am, MWF, Faculty Hall 407, Jan 13, 2014 - May 09, 2014, Reika D Ebert
  Expanding upon skills built in GER 101, students move toward increasing linguistic and social awareness of German-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple German; and to demonstrate basic understanding of aspects of German culture that may differ from their own. ***Prerequisite: GER 101 or equivalent.***

- **GSC 110 - R03 World Geography - 13996** - 3.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Michael R Busby
  A course designed to introduce students to the geographic distribution of major regions of the world. Attention will be focused on the delicate interrelationships between the natural landscapes of the earth and corresponding major cultural activities.

- **GSC 125 - R01 Weather and Climate - 15456** - 4.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Haluk Cetin
  Introduction to the dynamics of the atmosphere and how humans interact with and are influenced by atmospheric processes and climatic variations.

- **GSC 199 - R02 Earth Science - 13997** - 4.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Haluk Cetin
  This course introduces basic earth science concepts with elaboration on the origin, structure, and the complex interactions between the major earth components of the atmosphere, hydrosphere and lithosphere. Three hours , and two hours lab per week.

  GUI 095 - R30 Strategies for Success in College and Life - 15578 - 1.000 Credits
  Mayfield HS Campus, Jan 13, 2014 - May 09, 2014, Tressa A Ross
  The course is designed to help high school students investigate effective ways to approach college and future careers. It will teach students practical strategies, hints, and tips that can lead to success. Students will learn preparation, organization, work ethics, evaluation, and rethinking options as well as study and test-taking skills.

- **HIS 221 R03 American Experience to 1865 - 16149** - 3.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, J. Kevin Koehler
  A thematic approach to the history of the U.S. to 1865, designed as a University Studies social science elective. Three basic themes will be included: the transplantation of European and African cultures to America and their interaction with the cultures of native American Indians; the emergence of distinctive American values and institutions and the establishment of the American nation; and the stresses that culminated in the Civil War.

- **HIS 222 - R05 American Experience Since 1865 - 15184** - 3.000 Credits
  Hopkinsville Campus, W, Jan 13, 2014 - May 09, 2014, Stephanie Jean Fortner
  A thematic approach to the history of the U.S. since 1865, designed as a University Studies social science elective. Students will examine three themes: the forces that transformed America from a predominantly rural, agricultural society to a predominantly urban, industrial one; the rising political consciousness of various American groups and the expanding regulatory role of the federal government; and the emergence of America as a world power.

  ITD 107 - R01 Intro to Technical Drawing & Computer Aided Drafting - 15573 - 4.000 Credits
  8:30 am - 10:20 am, MWF, Industry & Technology 124, Jan 13, 2014 - May 09, 2014, J. Ottway
  A survey course in conventional and computer aided drafting theory and practice. The application of design principles, multi-view drawing techniques and precision use of conventional drafting equipment will be complemented by an introduction to computer aided drawing software, including setting up, drawing, editing, saving and plotting drawings. Does not apply towards a major in drafting and design. Lecture and laboratory-six contact hours.

JMC 168 - R01 Contemporary Mass Media - 13836 - 3.000 Credits
9:30 am - 10:45 am, TR, Wilson Hall 310A, Jan 13, 2014 - May 09, 2014, Robert Valentine
The mass media, stressing development, nature, controls under which they operate, economic and political foundations, social implications and future roles. Open to non-majors as an elective.

- **JPN 102 - R01 Elementary Japanese II - 13838** - 3.000 Credits
  10:30 am - 11:20 am, MWF, Faculty Hall 408, Jan 13, 2014 - May 09, 2014, Yoko Hatakeyama
  A continuation of JPN 101. ***Prerequisite: JPN 101.***

- **JPN 102 - R02 Elementary Japanese II - 13840** - 3.000 Credits
  11:30 am - 12:20 pm, MWF, Faculty Hall 408, Jan 13, 2014 - May 09, 2014, Yoko Hatakeyama
  A continuation of JPN 101. ***Prerequisite: JPN 101***.

- **MAT 117 - R06 Mathematical Concepts - 14228** - 3.000 Credits
  2:00 pm - 3:15 pm, TR, Faculty Hall 309, Jan 13, 2014 - May 09, 2014, Jason R McKendree
  Provides students with problem-solving skills and literacy related to the mathematics which is commonly encountered in our society. Topics can include descriptive statistics, personal finance, voting methods, elementary probability, and graph theory. This course is especially appropriate for students whose degree programs do not otherwise require a course in mathematics. It is not an adequate preparation for any other mathematics course. ***Prerequisite: ACT math standard score of at least 19 or MAT 096.***

- **MAT 117 - R08 Mathematical Concepts - 14677** - 3.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Shauna L Mullins
  Provides students with problem-solving skills and literacy related to the mathematics which is commonly encountered in our society. Topics can include descriptive statistics, personal finance, voting methods, elementary probability, and graph theory. This course is especially appropriate for students whose degree programs do not otherwise require a course in mathematics. It is not an adequate preparation for any other mathematics course. ***Prerequisite: ACT math standard score of at least 19 or MAT 096.***

- **MAT 140 - R07 College Algebra - 13844** - 4.000 Credits
  2:30 pm - 3:20 pm, MTWR, Faculty Hall 303, Jan 13, 2014 - May 09, 2014, Shauna L Mullins
  Course develops and extends the students' basic algebra concepts and problem-solving skills in the context of functions, models, and applications. Topics include exponents and radicals, graphing, setting up and solving equations in linear, quadratic, and other forms, systems of equations, and operations on functions. Properties and applications of linear, quadratic, polynomial, rational, exponential, and logarithmic functions are studied. ***Prerequisite: ACT math standard score of at least 21 or MAT 105. A student may not receive credit for MAT 140 and 130 or 150. (MAT 140 in combination with MAT 145 will substitute for MAT 150.)***

- **MAT 145 - R02 Trigonometry - 15881** - 3.000 Credits
  12:30 pm - 1:45 pm, TR, Faculty Hall 309, Jan 13, 2014 - May 09, 2014, Leslie W Alverson
  Course is a study of plane trigonometry. Topics include angles, right triangle trigonometry, trigonometric functions and their graphs, identities, solving trigonometric equations, and applications of trigonometry. ***Prerequisite: ACT math standard score of at least 21 or MAT 105. A student may not receive credit for MAT 145 and MAT 130 or 150. (MAT 145 in combination with MAT 140 will substitute for MAT 150.)***

- **MAT 250 - R04 Calculus and Analytic Geometry I - 14233** - 5.000 Credits
  12:30 pm - 1:20 pm, MTWRF, Faculty Hall 308, Jan 13, 2014 - May 09, 2014, David William Roach
  First course in calculus develops main ideas of differentiation and integration of single-variable functions. Topics include limits, continuity, techniques of differentiation, graphing techniques, definite and indefinite integral, basic integration methods, and applications of the derivative and integral to natural and social sciences. ***Prerequisites: ACT math standard score of at least 26 or MAT 150 or MAT 140/145.***

- **MAT 308 - R02 Calculus and Analytic Geometry II - 14230** - 5.000 Credits
  12:30 pm - 1:20 pm, MTWRF, Faculty Hall 307, Jan 13, 2014 - May 09, 2014, Robert G Donnelly
  A continuation of MAT 250, this course further develops techniques and applications of integration and is an introduction to sequences and series. Topics include integration strategies, computing areas and volumes, arc length, parametric curves, polar coordinates, sequences and series, tests for convergence of series, power series, and Taylor series. ***Prerequisite: MAT 250.***

- **PHY 130 - R02 General Physics I - 15855** - 3.000 Credits
  2:30 pm - 3:20 pm, MWF, Blackburn Science Bldg 135, Jan 13, 2014 - May 09, 2014, Hamid Kobraei
  Elementary mechanics, heat, and wave motion. Fundamental laws of nature, definitions, and physical measurements are stressed. ***Prerequisite: MAT 140 or equivalent. Co-requisite: PHY 131.***

- **PHY 131 - R02 General Physics I Laboratory - 15857** - 1.000 Credits
  3:30 pm - 5:20 pm, T, Blackburn Science Building 146, Jan 13, 2014 - May 09, 2014, Hamid R Kobraei
  Laboratory to accompany PHY 130. ***Two hours laboratory per week. Corequisite: PHY 130.***

- **PHY 235 - R01 Mechanics, Heat and Wave Motion - 15539** - 4.000 Credits
  9:30 am - 10:20 am, MTWF, Blackburn Science Building 135, Jan 13, 2014 - May 09, 2014, J. Crofton
  Introduction to classical mechanics. Topics include kinematics, dynamics, energy, momentum, rotational motion, wave motion, and the laws of thermodynamics. Calculus and vector notation used. Must be taken concurrently with PHY 236. Three lectures and two recitation meetings per week. ***Corequisites: MAT 250 and PHY 236.***

- **PHY 236 - R01 Mechanics, Heat and Wave Motion Laboratory - 15540** - 1.000 Credits
  1:30 pm - 3:20 pm, R, Blackburn Science Building 159, Jan 13, 2014 - May 09, 2014, John B Crofton
  Laboratory course must be taken concurrently with PHY 235. Two hours laboratory per week. ***Corequisite: PHY 235.***

- **SPA 101 - R01 Fundamental Communication in Spanish - 13846** - 3.000 Credits
  8:30 am - 9:20 am, MWF, Faculty Hall 405, Jan 13, 2014 - May 09, 2014, Susan Wiebe Drake
  Basic Spanish in which students learn to describe themselves to someone from another culture; to express preferences, abilities, needs, and obligations; to ask for information; to describe people, places, and things in their world; and to report their typical activities to a Spanish speaker.

- **SPA 101 - R02 Fundamental Communication in Spanish - 13847** - 3.000 Credits
  9:30 am - 10:20 am, MWF, Faculty Hall 405, Jan 13, 2014 - May 09, 2014, Susan Wiebe Drake
  Basic Spanish in which students learn to describe themselves to someone from another culture; to express preferences, abilities, needs, and obligations; to ask for information; to describe people, places, and things in their world; and to report their typical activities to a Spanish speaker.

- **SPA 101 - R03 Fundamental Communication in Spanish - 15685** - 3.000 Credits
  9:30 am - 10:20 am, MWF, Faculty Hall 400, Jan 13, 2014 - Mar 05, 2014 , Cynthia W Barnett
  9:30 am - 10:45 am, TR, Faculty Hall 400, Jan 13, 2014 - Mar 05, 2014 , Cynthia W Barnett

- **SPA 102 - R01 Social Interactions in Spanish - 13849** - 3.000 Credits
  8:30 am - 9:20 am, MWF, Faculty Hall 407, Jan 13, 2014 - May 09, 2014, Carl M Waag
  Expanding upon skills built in SPA 101, students move toward increasing linguistic and social awareness of Spanish-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple Spanish; and to demonstrate basic understanding of aspects of Spanish- and Latin-American cultures that may differ from their own. ***Prerequisite: Spanish 101 or equivalent.***

- **SPA 102 - R02 Social Interactions in Spanish - 13850** - 3.000 Credits
  9:30 am - 10:20 am, MWF, Faculty Hall 407, Jan 13, 2014 - May 09, 2014, Carl M Waag
  Expanding upon skills built in SPA 101, students move toward increasing linguistic and social awareness of Spanish-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple Spanish; and to demonstrate basic understanding of aspects of Spanish- and Latin-American cultures that may differ from their own. ***Prerequisite: Spanish 101 or equivalent.***

- **SPA 102 - R03 Social Interactions in Spanish - 15688** - 3.000 Credits
  9:30 am - 10:20 am, MWF, Faculty Hall 400, Mar 06, 2014 - May 09, 2014, Cynthia W Barnett
  9:30 am - 10:45 am, TR, Faculty Hall 400, Mar 06, 2014 - May 09, 2014, Cynthia W Barnett
  Expanding upon skills built in SPA 101, students move toward increasing linguistic and social awareness of Spanish-speaking cultures. Students learn to use past tenses to talk about typical activities or to tell a story; to expand their basic vocabulary and ability to communicate in simple Spanish; and to demonstrate basic understanding of aspects of Spanish- and Latin-American cultures that may differ from their own. ***Prerequisite: Spanish 101 or equivalent.***

- **SPA 301 - R01 Conversation and Composition I - 15523** - 3.000 Credits
  12:30 pm - 1:45 pm, TR, Faculty Hall 408, Jan 13, 2014 - May 09, 2014, Leon Bodevin
  Intensive practice in speaking and writing based on a variety of topics and materials.
  Prerequisite: SPA 202 or equivalent.

- **SPA 302 - R02 Conversation and Composition II - 15524** - 3.000 Credits
  12:30 pm - 1:45 pm, TR, Faculty Hall 406 Jan 13, 2014 - May 09, 2014, Mica Kubicek Garrett
  Additional practice in speaking and writing based on a variety of topics and materials.
  Prerequisite: SPA 301 or consent of instructor.

- **THD 104 - R01 The Theatrical Experience - 16199** - 3.000 Credits
- Instruction On-Line, Jan 13, 2014 - May 09, 2014, Pamela Julia Hamilton
  Critical analysis of the theatre as an art form. Emphasis is on the play in production, not the play as literature. A student cannot have credit for both this course and HON 163.

  TSM 133 - R01 Telecommunications Technology and Methods - 13872 - 3.000 Credits
  9:30 am - 10:45 am, TR, Collins Industry & Technology 226, Jan 13, 2014 - May 09, 2014, M. Okuda
  2:00 pm - 3:15 pm, R, Collins Industry & Technology 223, Jan 13, 2014 - May 09, 2014, M. Okuda
  An overview of the technology and managerial considerations of the telecommunications systems management field, including history, job market, educational requirements, microcomputer concepts and basic networking concepts. Two hours of lecture and two hours of lab per week.