

Fall 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>

- **ANT 140 - R01 Introduction to Cultural Anthropology - 83731 - 3.000 Credits**
Main Campus, 12:30 pm - 1:45 pm, TR, Blackburn Science Building 312, Aug 19, 2014 - Dec 12, 2014, Anthony L Ortmann
A survey of the diverse ways human societies are organized with an analysis of how their cultures meet the common and distinctive needs of these societies, with emphasis placed upon non-literate peoples.
- **ART 121 - R03 Art Appreciation - 85775 - 3.000 Credits**
❖ Instruction On-Line, Aug 19, 2014 - Dec 12, 2014, Web, 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 & HON 161.
- **AST 115 - R01 Introductory Astronomy - 83733 - 3.000 Credits**
Main Campus, 12:30 pm - 1:30 pm, MWF, Blackburn Science Building 135, Aug 19, 2014 - Dec 12, 2014, Joshua Paul 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 - R03 Introductory Astronomy Laboratory - 84009 - 1.000 Credit**
Main Campus, 1:30 pm - 3:20 pm, W, Blackburn Science Building 157, Aug 19, 2014 - Dec 12, 2014, Laboratory, Joshua Paul Ridley
Laboratory to accompany AST 199. Two hours laboratory per week. **Corequisite: AST 115.**
- **CHN 101 - R01 Elementary Chinese I - 83734 - 3.000 Credits**
Main Campus, 10:30 am - 11:20 am, MWF, Faculty Hall 106, Aug 19, 2014 - Dec 12, 2014, Jie Wu
A study of the sounds and structural patterns of modern Chinese through instruction in listening, speaking, reading, and writing. Some instruction in Chinese whenever possible using the Pinyin Romanization and simplified Chinese characters.
- **COM 131 - R04 Introduction to Interpersonal Communication - 83826 - 3.000 Credits**
❖ Instruction On-Line, Aug 19, 2014 - Dec 12, 2014, Web, 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 - 84977 - 3.000 Credits**
Calloway Co HS Campus, Aug 19, 2014 - Dec 12, 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 - R34 Introduction to Public Speaking - 84974 - 3.000 Credits**
Main Campus, 6:00 pm - 9:00 pm, M, Wilson Hall 306, Aug 19, 2014 - Dec 12, 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 - R36 Introduction to Public Speaking - 84975 - 3.000 Credits**
Main Campus, 6:00 pm - 9:00 pm, T, Wilson Hall 306, Aug 19, 2014 - Dec 12, 2014, Stephen Cox
 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 - RXX Internet and Web page Design - 3.000 Credits***
 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 125 is taught at many of our Kentucky high schools. Ask your guidance counselor whether this course is scheduled to be taught at your high school. Guidance counselors who are interested in having this course taught at their school should contact stotty@murraystate.edu.*
- **CSC 199 - R05 Introduction to Information Technology - 83735 - 3.000 Credits**
Main Campus, 5:00 pm - 9:00 pm, T, Business Building 201, Aug 19, 2014 - Dec 12, 2014, Linda 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 higher).**
- **CSC 199 - RXX Introduction to Information Technology - 3.000 Credits***
 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 higher).**
** CSC 199 is taught at many of our Kentucky high schools. Ask your guidance counselor whether this course is scheduled to be taught at your high school. Guidance counselors who are interested in having this course taught at their school should contact stotty@murraystate.edu.*

➤ **ECO 140 – RXX Contemporary Economics – 3.000 Credits***

Fundamental economic principles applied to a wide range of real world problems, with the objective of developing an understanding of the market form of economic organization. Designed specifically for two purposes: (1) to meet the needs of the students who are able to take only one economics course in their curriculum, and (2) to satisfy the University Studies social science requirement. Does not apply toward business or economics major, minor, or area requirement.

** ECO 140 is taught at many of our Kentucky high schools. Ask your guidance counselor whether this course is scheduled to be taught at your high school. Guidance counselors who are interested in having this course taught at their school should contact stotty@murraystate.edu.*

❖ **ECO 190 - R01 Consumer Economics - 84402 - 3.000 Credits**

Instruction On-Line, Aug 19, 2014 - Dec 12, 2014, Web, Zach Dunlap

A study of consumer buying practices, family finances, protection of the consumer, and other problems of the household. Does not apply toward business or economics major, minor, or area requirements.

ECO 190 - RXX Consumer Economics - 3.000 Credits*

A study of consumer buying practices, family finances, protection of the consumer, and other problems of the household. Does not apply toward business or economics major, minor, or area requirements.

** ECO 190 is taught at many of our Kentucky high schools. Ask your guidance counselor whether this course is scheduled to be taught at your high school. Guidance counselors who are interested in having this course taught at their school should contact stotty@murraystate.edu.*

EDU 104 - R01 Exploration of Teaching - 85475 - 3.000 Credits

Main Campus, MTWRF, Aug 19, 2014 - Dec 12, 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 104 - RXX Exploration of Teaching - 3.000 Credits*

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 104 is taught at many of our Kentucky high schools. Ask your guidance counselor whether this course is scheduled to be taught at your high school.*

EDU 106 - R01 Tutoring and Mentoring in Schools - 83851 - 3.000 Credits

Main Campus, TBA, Aug 19, 2014 - Dec 12, 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 - RXX Tutoring and Mentoring in Schools - 3.000 Credits

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 is taught at many of our Kentucky high schools. Ask your guidance counselor whether this course is scheduled to be taught at your high school. Guidance counselors who are interested in having this course taught at their school should contact tcross@murraystate.edu*

➤ **FRE 101 - R01 Fundamental Communications in French - 83738 - 3.000 Credits**

Main Campus, 10:30 - 11:20, MWF, Faculty Hall 405 Aug 19, 2014 - Dec 12, 2014, Therese Saintpaul
Basic French 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 French speaker.

GCM 151 - R01 Introduction to Graphic Communications - 83739 - 3.000 Credits

Main Campus, 9:30 - 10:20, MWF, Wilson Hall 107 Aug 19, 2014 - Dec 12, 2014, Brent Norsworthy
Reviews the graphic reproduction systems of mass-communication including print manufacturing, digital imaging, computer animation, video capturing, customer service, business operations, and global media marketing, and laboratory.

➤ **GER 101 - R01 Fundamental Communication in German - 84599 - 3.000 Credits**

Main Campus, 9:30 - 10:20, MWF, Faculty Hall 407 Aug 19, 2014 - Dec 12, 2014, Reika Ebert
Basic German 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 German speaker.

➤ **GER 101 - R02 Fundamental Communication in German - 85122 - 3.000 Credits**

Main Campus, 10:30 - 11:20, MWF, Faculty Hall 407 Aug 19, 2014 - Dec 12, 2014, Reika Ebert
Basic German 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 German speaker.

➤ **GSC 110 - R03 World Geography - 83827 - 3.000 Credits**

❖ **Instruction On-Line, Aug 19, 2014 - Dec 12, 2014, Web, 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.

➤ **HIS 221 - R01 American Experience to 1865 - 85137 - 3.000 Credits**

❖ **Instruction On-Line, Aug 19, 2014 - Dec 12, 2014, Web, Stephanie Jean Fortner**

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.

JMC 168 - R01 Contemporary Mass Media - 83744 - 3.000 Credits

Main Campus, 9:30 - 10:45, TR, Wilson Hall 310A, Aug 19, 2014 - Dec 12, 2014, Bob 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 101 - R01 Elementary Japanese I - 83745 - 3.000 Credits**

Main Campus, 9:30 - 10:20, MWF, Faculty Hall 406, Aug 19, 2014 - Dec 12, 2014, Yoko Hatakeyama
Introductory course in modern spoken and written Japanese, designed to develop fundamental skills in the areas of speaking, listening, reading, and writing. Gives contextualized instructions to develop both communicative and cultural competency. Systematically introduces the Japanese writing system (Hiragana, Katakana, and Kanji characters).

➤ **JPN 101 - R02 Elementary Japanese I - 83746 - 3.000 Credits**

Main Campus, 10:30 - 11:20, MWF, Faculty Hall 406, Aug 19, 2014 - Dec 12, 2014, Yoko Hatakeyama
Introductory course in modern spoken and written Japanese, designed to develop fundamental skills in the areas of speaking, listening, reading, and writing. Gives contextualized instructions to develop both communicative and cultural competency. Systematically introduces the Japanese writing system (Hiragana, Katakana, and Kanji characters).

➤ **MAT 117 - R05 Mathematical Concepts - 83747 - 3.000 Credits**

Main Campus, 2:00 pm - 3:15 pm, TR, Faculty Hall 301, Aug 19, 2014 - Dec 12, 2014, Marcia Edson
Provides students with problem-solving skills and literacy related to the mathematics 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 - 83829 - 3.000 Credits**

❖ *Instruction On-Line, Aug 19, 2014 - Dec 12, 2014, Web, Shauna L Mullins*
Provides students with problem-solving skills and literacy related to the mathematics 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 135 - R06 Introduction to Probability and Statistics - 84873 - 4.000 Credits**

Main Campus, 1:30 - 2:20, MTWR, Faculty Hall 310, Aug 19, 2014 - Dec 12, 2014, Ed Thome
Elementary probability, the binomial, normal, student's and chi-square distributions, random sampling, regression and correlation. **Prerequisite: ACT math standard score of at least 20 or MAT 105.**

➤ **MAT 140 - R08 College Algebra - 83878 - 4.000 Credits**

Main Campus, 2:30 - 3:20, MTRF, Faculty Hall 302, Aug 19, 2014 - Dec 12, 2014, Dubravko Ivansic
Course develops and extends the student's 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 - R03 Trigonometry - 83823 - 3.000 Credits**
Main Campus, 1:30 pm - 2:20 pm, MWF, Faculty Hall 301 Aug 19, 2014 - Dec 12, 2014, Scott J Lewis
 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 150 - R03 Algebra & Trigonometry - 84707 - 5.000 Credits**
Main Campus, 1:30 - 2:20, MTWRF, Faculty Hall 300 Aug 19, 2014 - Dec 12, 2014, Leslie Alverson
 Course is an intensive study of college algebra and trigonometry. A combination of MAT 140 and MAT 145, it is a faster-paced course for students with some familiarity with the subjects. MAT 150 may be used as a refresher course to help prepare students for MAT 250. **Prerequisite: ACT math standard score of at least 23. Restriction: A student who receives credit for MAT 150 may not receive credit for MAT 130, 140 or 145. (Credit or the combination of MAT 140 and MAT 145 will substitute for MAT 150.)**

- **MAT 250 - R05 Calculus and Analytical Geometry I - 83877 - 5.000 Credits**
Main Campus, 12:30 - 1:20, MTWRF, Faculty Hall 310, Aug 19, 2014 - Dec 12, 2014, Donald Adongo
 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 309 - R01 Calculus and Analytic Geometry III - 85444 - 4.000 Credits**
Main Campus, 1:30 - 2:20, MTRF, Faculty Hall 303, Aug 19, 2014 - Dec 12, 2014, Robert Donnelly
 Course develops main ideas of differentiation and integration of functions of several variables and introduces vector calculus. Topics include vectors, analytic geometry of 3-dimensional space, functions of several variables, partial derivatives, directional derivatives, integrals of functions of two and three variables, vector fields, line integrals, Green's theorem, and the divergence theorem. **Prerequisite: MAT 308.**

- **PHY 130 - R02 General Physics I - 85473 - 3.000 Credits**
Main Campus, 2:30 - 3:20, MWF, Blackburn Science Building 135, Aug 19, 2014 - Dec 12, 2014, John B Crofton
 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 - 85474 - 1.000 Credit**
Main Campus, 3:30 pm - 5:20 pm, T, Blackburn Science Building 159, Aug 19, 2014 - Dec 12, 2014, Laboratory, John B Crofton
 Laboratory to accompany PHY 130. Two hours laboratory per week. **Corequisite: PHY 130.**

- **POL 140 - R03 American National Government - 85443 - 3.000 Credits**
Main Campus, 9:30 am - 10:20 am, MWF, Faculty Hall 509, Aug 19, 2014 - Dec 12, 2014, Jerod Seib
 The American political system, its constitution, institutions and processes. An approved social science University Studies elective.

- **POL 140 - R06 American National Government - 85442 - 3.000 Credits**
Main Campus, 12:30 pm - 1:45 pm, TR, Faculty Hall 509, Aug 19, 2014 - Dec 12, 2014, Jerod Seib
 The American political system, its constitution, institutions and processes. An approved social science University Studies elective.
- **SPA 101 - R01 Fundamental Communication in Spanish - 84562 - 3.000 Credits**
Main Campus, 8:30 am - 9:20 am, MWF, Faculty Hall 408, Aug 19, 2014 - Dec 12, 2014, Reika Ebert
 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 - 84723 - 3.000 Credits**
Main Campus, 10:30 - 11:20, MWF, Faculty Hall 400, Aug 19, 2014 - Dec 12, 2014, Cynthia Barnett
 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 - R05 Fundamental Communication in Spanish - 83760 - 3.000 Credits**
Main Campus, 1:30 - 2:20, MWF, Faculty Hall 405 Aug 19, 2014 - Dec 12, 2014, Cynthia Barnett
 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 102 - R01 Social Interactions in Spanish - 83761 - 3.000 Credits**
Main Campus, 8:30 am - 9:20 am, MWF, Faculty Hall 405, Aug 19, 2014 - Dec 12, 2014, Neal Messer
 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 202 - R01 Practical Applications in Spanish - 84692 - 3.000 Credits**
Main Campus, 8:30 am - 9:20 am, MWF, Faculty Hall 400, Aug 19, 2014 - Dec 12, 2014, Reika Ebert
 Students advance their speaking, writing, reading, and listening language skills in this interactive course focused on the practical application of the language in contemporary Spanish-speaking countries. Activities include role-play, projects, reports, and discussions of texts. Taught in Spanish. ***Prerequisite: SPA 201 or equivalent.***
- **SPA 202 - R02 Practical Applications in Spanish - 84650 - 3.000 Credits**
Main Campus, 9:30 am - 10:20 am, MWF, Faculty Hall 400 Aug 19, 2014 - Dec 12, 2014, Reika Ebert
 Students advance their speaking, writing, reading, and listening language skills in this interactive course focused on the practical application of the language in contemporary Spanish-speaking countries. Activities include role-play, projects, reports, and discussions of texts. Taught in Spanish. ***Prerequisite: SPA 201 or equivalent.***
- **THD 101 - R01 Dance Appreciation - 83762 - 3.000 Credits**
Main Campus, 11:00 am - 12:15 pm, TR, Price Doyle Fine Arts Center 2010, Aug 19, 2014 - Dec 12, 2014, Karen A Balzer
 Orientation to dance as an art form: historical and aesthetic perspectives, basic dance elements, and the relationship to other arts and to the culture. Lectures, films, demonstrations and practical dance experience.

- **THD 104 - R02 The Theatrical Experience - 84320 - 3.000 Credits**
- ❖ Instruction On-Line, Aug 19, 2014 - Dec 12, 2014, Web, Pamela 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.

- **THD 104 - R10 The Theatrical Experience - 85412 - 3.000 Credits**
Murray High School Campus, Aug 19, 2014 - Dec 12, 2014, Lissa Graham
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.