

Courses of Instruction

Courses listed in this section describe all courses approved for offering by the University of Arkansas. The courses are listed alphabetically by subject with the subject code in parenthesis following. The word “course” refers to a unit of academic instruction, while the word “class” refers to a course that has been scheduled during a semester or summer session with a certain number of prescribed meetings each week. Many courses are offered as classes every semester while many others are offered less frequently. Successful completion of a class usually earns a specified number of semester hours of credit toward a degree.

To see a Schedule of Classes, which lists classes available in a specific semester, along with the instructor of record, time and place the class is being held, go to UAConnect (<https://uaconnect.uark.edu/>).

How to Read a Course Description

Courses listed in this section describe all courses approved for offering by the University of Arkansas. The courses are listed alphabetically by code. The word “course” refers to a unit of academic instruction, while the word “class” refers to a course scheduled during a semester or summer session with a certain number of prescribed meetings each week. Successful completion of a class usually earns a specified number of semester hours of credit toward a degree.

The Schedule of Classes lists classes available in a specific semester, along with the instructor of record, time and place the class is being held.

Course Description Explanations

A course listing comprises the following elements, in order:

Course Prefix: This alpha descriptor is the first identifying part of a course. This four-letter code represents the course prefix name. Usually the course prefix will be the same as the department offering the course, but occasionally the prefix is one of many different courses offered in a single department. For example, ARAB refers to Arabic courses, which are offered through the Department of World Languages, Literatures and Cultures; HIST refers to History courses.

Course Number: Each course is designated by a four-digit number. The first digit identifies the level of the course: 1, freshman level; 2, sophomore level; 3 and 4, junior-senior level; 5, 6, and 7, graduate level. Any exceptions to this practice are stated in the course descriptions.

Students desiring admission to courses offered at levels beyond their standing should request the instructor’s permission to enroll. (For definitions of academic level see Student Classification (<http://catalog.uark.edu/undergraduatecatalog/orientationandregistration/studentclassification/>).

The second and third digits of the number identify the course within the department that offers it.

The fourth digit identifies the semester-hour value of the course. Credit for certain courses does not count toward some degrees.

Normally, courses meet once each week for 50 minutes for each hour of course credit. Laboratory, drill and other kinds of activity courses typically meet for two 50-minute periods per week for each hour of credit.

The letter ‘V’ is used in place of the last digit for those courses in which credit is variable. The minimum and maximum credit hours possible are given in parentheses after the course title.

The letter ‘X’ is used in place of the last digit for those courses in which fixed credit is ten or more hours.

The first three digits of the number are the same for corequisite courses (for example, a lecture and the corequisite lab or drill).

Course Suffix: A suffix to the course number further identifies the specific type of instruction:

- C - Drill or Lab Component
- L - Laboratory
- H - Honors Course
- M - Honors Laboratory

A course with no suffix is a typical lecture course (not an honors course).

Course Title: The title of the course is printed in bold letters.

Course Semester Offering: Course titles are followed by abbreviations (in parentheses) for the semester in which the course is normally offered. Cross-check with the Schedule of Classes to determine if a course is being offered. Courses marked (Sp) will be offered in the spring, courses marked (Fa) will be offered in the fall, courses marked (Su) will be offered in the summer, and courses marked (Irregular) will be offered irregularly. Consult the Schedule of Classes to verify that a course is being offered for a given term.

Course Description: A brief description of the course content and its major emphasis are stated. If the course is cross-listed (also offered under another course number) a “Same As” statement will be included in the description. If the course is eligible to be repeated for degree credit more than once, a statement will appear to indicate the total hours or times a course may be repeated. If no repeated statement is listed, the course may be used for degree credit only once.

Requisites: Requisites are requirements that must be fulfilled either before a course may be taken or at the same time a course is taken. It is the student’s responsibility to make sure the proper prerequisites have been completed before enrolling in any class. Prerequisites are courses or requirements that must be completed prior to enrolling in a certain course. Courses may have prerequisites from inside and outside the department. It is the student’s responsibility to make sure he/she has completed the proper prerequisites before enrolling in any class. Courses listed as corequisite are to be taken in the same semester as the course desired.

A course listed as both a pre- and corequisites are requirements that if not taken prior to enrolling in a course, must be taken during the same semester as the course.

Students may not enroll in courses for which they do not have the necessary requisites. Students who are in doubt concerning their eligibility to enroll in specific courses should consult with their academic adviser. Students may be dropped from courses for which they do not have the necessary requisites.

Courses of Instruction By Subject

Accounting (ACCT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/acct/>)

- Adult and Lifelong Learning (ADLL) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/adll/>)
- African and African American Studies (AAST) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/aast/>)
- Agricultural Communications (ACOM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/acom/>)
- Agricultural Economics (AGEC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/agec/>)
- Agricultural Education (AGED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/aged/>)
- Agricultural Education, Communications and Technology (AECT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/aect/>)
- Agricultural Leadership (AGLE) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/agle/>)
- Agricultural Statistics (AGST) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/agst/>)
- Agricultural Systems Technology Management (ASTM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/astm/>)
- Animal Science (ANSC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ansc/>)
- Anthropology (ANTH) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/anth/>)
- Apparel Merchandising and Product Development (AMPD) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ampd/>)
- Applied Music (Class) (MUAC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/muac/>)
- Applied Music (Private Instruction) (MUAP) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/muap/>)
- Arabic (ARAB) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/arab/>)
- Army ROTC (MILS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/mils/>)
- Art (ARTS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/arts/>)
- Art Education (ARED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ared/>)
- Art History (ARHS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/arhs/>)
- Astronomy (ASTR) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/astr/>)
- Athletic Training (ATTR) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/attr/>)
- Biological Engineering (BENG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/beng/>)
- Biology (BIOL) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/biol/>)
- Biomedical Engineering (BMEG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/bmeg/>)
- Business Law (BLAW) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/blaw/>)
- Career and Technical Education (CATE) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cate/>)
- Cell and Molecular Biology (CEMB) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cemb/>)
- Chemical Engineering (CHEG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cheg/>)
- Chemistry and Biochemistry (CHEM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/chem/>)
- Civil Engineering (CVEG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cveg/>)
- Communication (COMM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/comm/>)
- Communication Sciences and Disorders (CDIS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cdis/>)
- Community College Leadership (CCLE) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ccle/>)
- Computer Science and Computer Engineering (CSCE) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/csce/>)
- Counselor Education (CNED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cned/>)
- Crop, Soil and Environmental Sciences (CSES) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cses/>)
- Curriculum and Instruction (CIED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/cied/>)
- Economics (ECON) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/econ/>)
- Education Reform (EDRE) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/edre/>)
- Educational Equity (EDEQ) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/edeq/>)
- Educational Foundations (EDFD) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/edfd/>)
- Educational Leadership (EDLE) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/edle/>)
- Educational Statistics and Research Methods (ESRM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/esrm/>)
- Educational Technology (ETEC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/etec/>)
- Electrical Engineering (ELEG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/eleg/>)
- Engineering Management (EMGT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/emgt/>)
- English (ENGL) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/engl/>)
- English Language and Cultural Studies (ELAC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/elac/>)
- Entomology (ENTO) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ento/>)
- Environmental Dynamics (ENDY) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/endy/>)
- Environmental Science (ENSC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ensc/>)
- Ethnomusicology (MUSY) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/musy/>)
- Exercise Science (EXSC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/exsc/>)
- Extension Education (EXED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/exed/>)
- Fay Jones Architecture and Design (FJAD) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/fjad/>)
- Finance (FINN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/finn/>)

Food Science (FDSC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/fdsc/>)

French (FREN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/fren/>)

Gender Studies (GNST) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/gnst/>)

General Engineering (GNEG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/gneg/>)

Geosciences (GEOS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/geos/>)

German (GERM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/germ/>)

Graduate Education Courses (GRSD) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/grsd/>)

Graphic Design (GDES) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/gdes/>)

Greek (GREK) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/grek/>)

Health, Human Performance and Recreation (HHPR) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hhpr/>)

Higher Education (HIED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hied/>)

History (HIST) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hist/>)

Horticulture (HORT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hort/>)

Hospitality Management (HOSP) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hosp/>)

Human Development and Family Sciences (HDFS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hdfs/>)

Human Environmental Sciences (HESC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hesc/>)

Human Resource and Workforce Development Education (HRWD) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/hrwd/>)

Humanities (HUMN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/humn/>)

Industrial Engineering (INEG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ineg/>)

Information Systems (ISYS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/isys/>)

Italian (ITAL) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ital/>)

Japanese (JAPN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/japn/>)

Journalism (JOUR) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/jour/>)

Kinesiology (KINS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/kins/>)

Latin (LATN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/latn/>)

Management (MGMT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/mgmt/>)

Marketing (MKTG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/mktg/>)

Master of Business Administration (MBAD) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/mbad/>)

Materials Science and Engineering (MSEN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/msen/>)

Mathematics (MATH) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/math/>)

Mechanical Engineering (MEEG) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/meeg/>)

Music Education (MUED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/mued/>)

Music Ensemble (MUEN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/muen/>)

Music History (MUHS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/muhs/>)

Music Industry (MUIN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/muin/>)

Music Pedagogy (MUPD) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/mupd/>)

Music Theory (MUTH) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/muth/>)

Nursing (NURS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/nurs/>)

Nutrition (NUTR) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/nutr/>)

Occupational Therapy (OCTH) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/octh/>)

Operations Analytics (OPAN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/opan/>)

Operations Management (OMGT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/omgt/>)

Philosophy (PHIL) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/phil/>)

Physical Education (PHED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/phed/>)

Physics (PHYS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/phys/>)

Plant Pathology (PLPA) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/plpa/>)

Plant Sciences (PTSC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/ptsc/>)

Political Science (PLSC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/plsc/>)

Poultry Science (POSC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/posc/>)

Psychology (PSYC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/psyc/>)

Public Administration (PADM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/padm/>)

Public Health (PBHL) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/pbhl/>)

Public Policy (PUBP) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/pubp/>)

Recreation and Sport Management (RESM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/resm/>)

Rural Sociology (RSOC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/rsoc/>)

Russian (RUSS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/russ/>)

Secondary Education (SEED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/seed/>)

Social Work (SCWK) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/scwk/>)

Sociology (SOCL) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/soci/>)

Space and Planetary Sciences (SPAC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/spac/>)

Spanish (SPAN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/span/>)

Special Education (SPED) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/sped/>)

Statistics and Analytics (STAN) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/stan/>)

Statistics (STAT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/stat/>)

STEM Education (STEM) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/stem/>)

Supply Chain Management (SCMT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/scmt/>)

Sustainability (SUST) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/sust/>)

Theatre (THTR) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/thtr/>)

U A Clinton School (UACS) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/uacs/>)

Walton College of Business (WCOB) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/wcob/>)

World Languages, Literatures and Cultures (WLLC) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/wllc/>)

World Literature (WLIT) (<http://catalog.uark.edu/graduatecatalog/coursesofinstruction/wlit/>)

Courses

STEM 5023. Creativity and Innovation in STEM. 3 Hours.

This introductory course in technology and engineering education (TEED) focuses on the development and introduction of TEED activities to support science and mathematics instruction in the elementary classroom. Through hands-on, problem-based learning challenges, students will develop and understanding of the engineering design process and the integration of STEM often used to solve real-world problems. Prerequisite: STEM 4033 or STEM 5033 (formerly STEM 4033). (Typically offered: Fall and Summer)

STEM 5033. Introduction to STEM Education. 3 Hours.

(Formerly STEM 4033.) This course provides an introduction to the foundations of STEM education disciplines and the strategies used to deliver integrative STEM education in the elementary and secondary school setting. The nature of STEM education disciplines, STEM pedagogy, teaching strategies, integrative STEM learning, STEM careers, and problem-centered instruction are addressed. Graduate degree credit will not be given for both STEM 4033 and STEM 5033. (Typically offered: Spring and Summer)

STEM 5104. Astronomy for Educators. 4 Hours.

(Formerly STEM 4104.) Astronomy for Educators splits evenly between the basics of astronomy and practical methods for teaching astronomy effectively to all grade levels. The class is appropriate and effective for elementary, middle school, and secondary educators. Pedagogy focuses on the use of low-cost models that help all students grasp astronomy fundamentals such as phases of the Moon and how our solar system works. Lab activities include building and working with scientific models, evening lab activities give students the opportunity to use telescopes and binoculars to observe the Moon, planets, constellations and more. No prior experience or astronomy knowledge is assumed for this course. Graduate degree credit will not be given for both STEM 4104 and STEM 5104. (Typically offered: Fall and Spring)

STEM 5203. Problem-Based Mathematics. 3 Hours.

This graduate level course focuses on sharing, modeling and practicing strategies to support the meaningful integration of science, technology, engineering and mathematics (STEM) with the emphasis on mathematics in the K-4 classroom. A strong foundation for integrating the STEM disciplines through a problems-based approach within the elementary curriculum will be developed by providing students with theoretical frameworks, research, resources, and methods related to appropriate and effective classroom practice. Prerequisite: CIED 3123. (Typically offered: Irregular)

STEM 5213. Teaching Problem-Based Science in the Elementary Grades. 3 Hours.

This graduate level course focuses on sharing, modeling and practicing strategies to support the meaningful integration of science, technology, engineering and mathematics (STEM) with the emphasis on science in the K-4 classroom. A strong foundation for integrating the STEM disciplines through a problems-based approach within the elementary curriculum will be developed by providing students with theoretical frameworks, research, resources, and methods related to appropriate and effective classroom practice. Prerequisite: CIED 3143 and admission to either Elementary Education (ELEDMA) or Curriculum and Instruction (CIEDME) program. (Typically offered: Spring)