SCE - SCIENCE EDUCATION

SCE 5010 Biological Sciences for Elementary and Middle School Teachers Cr. 3
Significant biological principles, generalizations and understandings with relation to their use with children. Appropriate learning activities; experiments, field trips, text and reference materials, audio-visual resources, evaluation. Offered Every Term.
Course Material Fees: $10

SCE 5020 Physical Sciences for Elementary and Middle School Teachers Cr. 3
Significant principles, generalizations and understandings in the physical sciences with relation to their use with children. Appropriate learning activities including experiments, field trips, reference materials, audio-visual resources. Offered Every Term.
Course Material Fees: $10

SCE 5030 Earth/Space Science for Elementary and Middle School Teachers Cr. 3
Principles, generalizations and understandings related to teaching earth/space science to children. Learning activities, field trips, technology, and evaluation. Offered Every Term.
Course Material Fees: $10

SCE 5060 Methods and Materials of Instruction in Secondary School Science I Cr. 3
Role of science in the secondary curriculum. Problems and techniques of teaching science in the secondary schools; objectives, planning laboratory experiments, demonstrations, directed study, student projects, text and reference material, audio-visual resources, evaluation. Offered Fall.
Restriction(s): Students with a class of Freshman or Sophomore may not enroll, student with a major of Education General, No Major, Level 1 - Elementary Education, Level 1 - Kinesiology, PB Pre Teaching Cert, Level 1 - Secondary Education or Level 1 - Special Education may not enroll, enrollment limited to students in the College of Education.
Course Material Fees: $10

SCE 5070 Methods and Materials of Instruction in Secondary School Science II Cr. 3
Restriction(s): Students with a class of Freshman or Sophomore may not enroll, student with a major of Education General, No Major, Level 1 - Elementary Education, Level 1 - Kinesiology, PB Pre Teaching Cert, Level 1 - Secondary Education or Level 1 - Special Education may not enroll, enrollment limited to students in the College of Education.
Course Material Fees: $10

SCE 6030 Advanced Studies in Teaching Science in the Junior High and Middle School Cr. 3
Innovations and improvements in middle school and junior high school science teaching. Exploration of appropriate areas of study, development and selection of learning activities and materials; laboratory experiences in selected areas. Offered Biannually.
Restriction(s): Students with a class of Freshman or Sophomore may not enroll, student with a major of Education General, No Major, Level 1 - Elementary Education, Level 1 - Kinesiology, PB Pre Teaching Cert, Level 1 - Secondary Education or Level 1 - Special Education may not enroll, enrollment limited to students in the College of Education.

SCE 6040 Advanced Studies in Teaching Science in the High School Cr. 3
Emphasis on methods of teaching biology and the physical sciences in the high school. Recent curriculum studies, research, and current problems. Laboratory experiments, equipment, textual and reference material, audio-visual resources, and evaluation procedures. Offered Biannually.
Course Material Fees: $10

SCE 6080 Teaching Environmental Studies Cr. 3
Ecological concepts and environmental problems, possible solutions, and their implications for curriculum development and classroom teaching in K-12 educational settings. Science as a process is stressed throughout classroom activities, field trips, and assignments. Offered Biannually.
Course Material Fees: $10

SCE 7010 Special Topics in Science Education Cr. 1-3
Current theories and issues related to science education: nature of science, equity, global education, interdisciplinary approaches, alternative forms of assessment and technology integration. Topics to be announced in Schedule of Classes. Offered Biannually. Repeatable for 6 Credits