

**Curriculum Instructional Council
Actions Approved – December 8, 2011 Addendum**

Geographic Information Systems (GISG)

<p>104 Geographic Information Science and Spatial Reasoning 40 - 45 hours lecture, 24 - 27 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Mathematics 96 with a grade of "C" or better, or equivalent or Assessment Skill Level M50. <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Level R6 and W6. This course is an introductory survey of Geographic Information Systems (GIS), including cartography, remote sensing, spatial analysis, and global positioning systems (GPS). Emphasis is placed on the ways in which these technologies are applied to human and environmental problems. Students use spatial data to visualize information and identify spatial patterns and are introduced to map interpretation, georeferencing, and spatial data management. This course is designed for students and professionals who use GIS to better understand and analyze geographic data in their field.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>General Education</i> <i>Methods of Evaluation</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Writing Assignments</i></p> <p>Approved</p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p><i>This course is being proposed at City and Mesa for:</i></p> <ul style="list-style-type: none"> <i>CSU General Education: B4 Area B. Scientific Inquiry and Quantitative Reasoning - Mathematics/Quantitative Reasoning</i> <p><i>To be reviewed at the May 10, 2012 CIC meeting</i></p> <p>Effective: Fall 2012</p>
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*Requires Board of Trustees approval prior to implementation
~Requires CCCC submission

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Physical Education (PHYE)

<p>* ~270 Fitness Specialist Work Experience</p> <p style="text-align: right;">60 - 300 hours other, 1-4 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 & W5. A program of on-the-job learning experiences for students employed in a job related to the Fitness Specialist Certificate program. This course may be taken for a maximum of 4 units. However, the combined maximum credit for all Work Experience courses from all disciplines may not exceed 16 units</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU and/or private colleges and universities.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: New Course Approved</p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MESA</p> <p>Effective: Spring 2012</p>
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