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| **School or Division** | School of Pure and Applied Sciences |
| **Program or Certificate or** | Associate in Arts |
| **New degree or certificate program** | N/A |
| **Proposed by (faculty only)** | Dr. Jonathan McKenzie |
| **Presenter (faculty only)** | Dr. Jonathan McKenzie |
| Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date. |
| **Submission date** | 10/2/2015 |
| **Course prefix, number, and title** | ESC 1000C Introduction to Earth Science |

**Section I, New Course Information (must complete all items)**

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| **List School or Division** | School of Pure and Applied Sciences |
| **List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a “D”)** | None |
| **Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)** | No |
| **List course corequisites** | None |
| **Is any corequisite for this course listed as a corequisite on its paired course?**(Ex. CHM 2032 is a corequisite for CHM 2032L, and CHM 2032L is a corequisite for CHM 2032) | No |
| **Course credits or clock hours** | 3.00 |
| **Contact hours (faculty load)** | 3 |
| **Select grade mode** | Standard Grading (A, B, C, D, F) |
| **Credit type** | College Credit |
| **Course description** (provide below) |
| Earth science is an introductory physical science class that surveys the fields of geology, oceanography, atmospheric science and astronomy. This course will include topical lectures and include lab activities that will apply earth science principles to lecture material. Special emphasis will be placed on environmental concerns and human impact on the planet. |

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| **General topic outline** (type in outline below) |
| * Nature of Earth Science
* Earth’s Materials and History
* Plate Tectonics
* Hydrologic Cycles
* Atmospheric Science
* Oceanic Science
* Changing Landscapes
* Glaciers and Changing Sea Level
* Earth’s Place in the Universe
 |

**Learning Outcomes:** For information purposes only. Type in all learning outcomes, assessments, and general education competencies as they should be displayed in the syllabus. More rows can be added if necessary.

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| **Learning Outcomes** | **Assessments** | **General Education Competencies** |
| Describe the Scientific Method | Students will demonstrate competency by successfully completing one or more of the following:Exams; quizzes; writing assignments; discussion forums; oral, written, or electronic presentations; data interpretation and analysis exercises; or collaborative problem solving exercises. |  |
| Indicate a basic understanding of the definition of earth science  | COM |
| Describe the theory of plate tectonics |  |
| Summarize the major types of rock and their origins. |  |
| Identify and explain the processes acting on the Earth’s surface that create and shape landforms | GSR |
| Discuss the composition and circulation of Earth’s Oceans. |  |
| Describe the composition, structure and circulation of the Earth’s atmosphere |  |
| Describe various processes of the hydrologic cycle. |  |
| Identify and explain the processes that alter Earth’s sea level.  | CT |
| List and describe the components of our solar system, and discuss its origin. |  |
| Describe the universe beyond our solar system and discuss theories on its origin and age | QR |

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| **ICS code for this course** | ADVANCED AND PROFESSIONAL - 1.11.19 - PHYSICAL SCIENCES |
| **Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".** | No |
| **Is the course an “International or Diversity Focus” course?** | No, not International or Diversity Focus |
| **Is the course a General Education course?** | Yes |
| **Is the course a Writing Intensive course?** | No |
| **Is the course repeatable\*?**(A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). \*Not the same as Multiple Attempts or Grade Forgiveness | No |
| **Do you expect to offer this course three times or less (experimental)?** | No |

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| **Impact of Course Proposal** |
| **Will this new course proposal impact other courses, programs, departments, or budgets?** | Yes |
| **If the answer to the question above is “yes”, list the impact on other courses, programs, or budgets?** | SPAS will of replace sections of non-core Science Gen Ed classes (e.g. ISC1001C) with this core Science Gen Ed class. |
| **Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.** |
| N/A |

**Section II, Justification for proposal**

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| **Provide justification (below) for this proposed curriculum action**  |
| This is one of the state designated general education core courses in the natural sciences; adding this course to our curriculum increases the options our students have in covering their general education requirements by taking a course in the physical sciences. The course also represents a valuable contribution to our community, as it provides an opportunity for our students to better understand their role on the planet. Also, Education majors need to take an Earth Science as part of their requirements |

**Section III, Important Dates and Endorsements Required**

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| **List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).** |
| Jonathan McKenzie, Micah Russell, Rozalind Jester |

**nOTE:** Changes for the Fall 2016 term must be submitted to the Dropbox by the February 5, 2016 deadline and approved no later than the March 4, 2016 Curriculum Committee meeting. Changes during mid-school year are NOT permitted. Extreme circumstances will require approval from the appropriate Dean or Associate Vice President as well as the Provost and Vice President of Academic Affairs to begin in either the Spring 2016 or Summer 2016 term.

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| **Term in which approved action will take place** | Fall 2016 |

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| **Required Endorsements** | **Type in Name** | **Select Date** |
| **Department Chair or Program Coordinator/Director** | George T. Manacheril | 11/10/2015 |
| **Academic Dean**  | Martin McClinton | 11/13/2015 |

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| **Select Curriculum Committee Meeting Date** | March 4, 2016 |

Completed curriculum proposals must be uploaded to Dropbox by the deadline. Please refer to the *Curriculum Committee Calendar* document available in the document manager in the FSW Portal:

* Document Manager
* VP Academic Affairs
* Curriculum Process Documents

**Important Note to Faculty, Department Chairs or Program Coordinators, and Deans or an Associate Vice President:**

Incomplete proposals or proposals requiring corrections will be returned to the School or Division. If a proposal is incomplete or requires multiple corrections, the proposal will need to be completed or corrected and **resubmitted to the Dropbox for the next Curriculum Committee meeting**. All Curriculum proposals require approval of the Provost and Vice President of Academic Affairs. Final approval or denial of a proposal is reflected on the completed and signed Summary Report.