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| **Core Curriculum Course Submission**  **Criteria: Math** |

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| **1. General Information** | | | | |
| **a. Originating Person** | | **b. Contact Person’s E-mail** | **c. Contact Phone** | **d. Date** |
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| **e. College/School** | | **f. Department/Program** | | |
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| **Submission Statement**  By submitting this form, we acknowledge our understanding that the Core Council has the authority to review approved courses to ensure they continue to meet the established goals and outcomes of that category of the core; that the Council has authority to develop a core assessment program; and that the Council will be developing review and assessment policies by the end of 2014. Further, we agree that if this course is approved, we will participate in the university-wide assessment of the core. | | | | |
| **Chair and Dean Awareness**  A separate statement from the chair must be included that states that the department faculty have approved this course for submission to the core and that the chair takes responsibility for informing the Dean about the submission of the course. | | | | |
| **2. Course Information** | | | | |
| **a. Course ID** | **b. Current Title** | | | |
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| **c. Catalog Description** | | | | |
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| **d. How will your department ensure a level of consistency among sections of this course? Who will be responsible for this?** | | | | |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Knowledge** 1 **–Concepts, methodologies, findings, and applications of mathematics and the social and natural sciences, engineering and technology.** | 1. understand mathematical relationships among quantities; | **Learning Objectives 1.1** | **Assignments 1.1** | **Explanation 1.1** |
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| 2. understand fundamental mathematical/algebraic operations; | **Learning Objectives 1.2** | **Assignments 1.2** | **Explanation 1.2** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Skills 1 – Communication** | 1. use basic mathematical formulas and terminology: | **Learning Objectives 1.1** | **Assignments 1.1** | **Explanation 1.1** |
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| 2. explain orally and in writing the mathematical “reasonableness” of a statement that is presented as being implied by data | **Learning Objectives 1.2** | **Assignments 1.2** | **Explanation 1.2** |
| 3. communicate about math precisely orally and in writing | **Learning Objectives 1.3** | **Assignments 1.3** | **Explanation 1.3** |
| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Skills 2 – Critical Thinking, Quantitative Reasoning, and Solving Problems Individually and Collaboratively** | 1. interpret, analyze, and identify appropriate applied math models, data and graphs; | **Learning Objectives 2.1** | **Assignments 2.1** | **Explanation 2.1** |
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| 2. develop abstract and quantitative reasoning ability; | **Learning Objectives 2.2** | **Assignments 2.2** | **Explanation 2.2** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Skills 3 – Information Technology** | 1. make appropriate decisions regarding the use of technology when solving problems, recognizing both the insight to be gained and the limitation; | **Learning Objectives 3.1** | **Assignments 3.1** | **Explanation 3.1** |
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| 2. use information resources like the internet reflectively for inquiry, exploration, and communication; | **Learning Objectives 3.1** | **Assignments 3.1** | **Explanation 3.1** |
| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Values 1 – Personal Responsibility and Ethical Behavior** | 1. take responsibility for completing assignments in an honest and ethical manner, working on their own when required and acknowledging resources when used; | **Learning Objectives 1.1** | **Assignments 1.1** | **Explanation 1.1** |
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| 2. understand the duty to be precise and accurate with data; | **Learning Objectives 1.2** | **Assignments 1.2** | **Explanation 1.2** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Value 3-Global and cultural Understanding** | 1. analyze “real world” implications and develop mathematical models that aid in the understanding of current global issues. | **Learning Objectives 3.1** | **Assignments 3.1** | **Explanation 3.1** |
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| **Additional Comments:** |

                 

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| Approved by Core Curriculum Committee |  | Date |  | Approved by Provost |  | Date |

     

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| Approved by Chancellor |  | Date |