



# Course Approval Form

For instructions see:  
<http://registrar.gmu.edu/facultystaff/catalog-revisions/course/>

### Action Requested:

Create new course       Inactivate existing course

Modify existing course (check all that apply)

Title       Credits       Repeat Status       Grade Type

Prereq/coreq       Schedule Type       Restrictions

Other: Remove equivalence to deleted course PHYS 728

### Course Level:

Undergraduate

Graduate

College/School:  Department:

Submitted by:  Ext:  Email:

Subject Code:  Number:  Effective Term:  Fall  Spring  Summer Year:

(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Title: Current  Fulfills Mason Core Req? (undergrad only)

Banner (30 characters max w/ spaces)   Currently fulfills requirement

New   Submission in progress

Credits:  Fixed   Variable  to

Repeat Status:  Not Repeatable (NR)  Repeatable within degree (RD)  Repeatable within term (RT) Maximum credits allowed:

Grade Mode:  Regular (A, B, C, etc.)  Satisfactory/No Credit  Special (A, B, C, etc. +IP)

Schedule Type:  Lecture (LEC)  Lab (LAB)  Recitation (RCT)  Internship (INT)

Independent Study (IND)  Seminar (SEM)  Studio (STU)

Prerequisite(s):  Corequisite(s):

Instructional Mode:  100% face-to-face  Hybrid: ≤ 50% electronically delivered  100% electronically delivered

Restrictions Enforced by System: Major, College, Degree, Program, etc. (include code)

Equivalencies: (check only as applicable)

YES, course is 100% equivalent to:

YES, course is being renumbered to/will replace the following:

### Catalog Copy for NEW Courses Only (Consult University Catalog for models)

Description (No more than 60 words, use verb phrases and present tense)	Notes (List additional information for the course)

Indicate number of contact hours: Hours of Lecture or Seminar per week:  Hours of Lab or Studio:

When Offered: (check all that apply)  Fall  Summer  Spring

### Approval Signatures

Department Approval: \_\_\_\_\_ Date:

College/School Approval: \_\_\_\_\_ Date: \_\_\_\_\_

If this course includes subject matter currently dealt with by any other units, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date

### For Graduate Courses Only

Graduate Council Member: \_\_\_\_\_ Provost Office: \_\_\_\_\_ Graduate Council Approval Date: \_\_\_\_\_

## Course Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference.  
Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

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### **FOR ALL COURSES** (required)

Course Number and Title: 788 Simulation of Large Scale Systems

Date of Departmental Approval: 9/8/2015

### **FOR MODIFIED COURSES**

- Summary of the Modification:  
Modification of title, prerequisites, obsolete equivalence  
Text before Modification (title): Simulation of Large Scale Physical Systems  
Text before Modification (prerequisites): PHYS 613/CSI 780 and CSI 700 or permission of instructor.  
Text before Modification (equivalence): Equivalent to PHYS 728
- Text after Modification (title): Simulation of Large Scale Systems
- Text after Modification (prerequisites): CSI 690 or permission of instructor
- Text after Modification (equivalence): no equivalence to any course
- Reason for the Modification:

Currently, students in the CSI PhD and COMP MS have diverse academic backgrounds strong in math and engineering but not necessarily in physics. The new title is more general and fits better in the general description of the emphasis on Modeling and Simulation of these two academic programs. Concerning prerequisites, the CSI 700 has been renumbered to CSI 690 a few years ago but the update was not done in all courses. Additionally, the CSI 788 content is independent of concepts in either CSI 780 or PHYS 613. The equivalence to a deleted course (PHYS 728) is obsolete and should be eliminated.

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