Course Approval Form

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:			

Course Level:

☐ Undergraduate

☒ Graduate

College/School: College of Science **Department:** CDS
Submitted by: D. Papaconstantopoulos **Ext:** 3-3624 **Email:** dpapacon@gmu.edu
Subject Code: CSI **Number:** 780 **Effective Term:** ☒ Fall
(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Spring   *Year* 2015

Summer

Title: Current   Computational Physics and Applications

Banner (30 characters max w/ spaces)   Computational Physics and App

New

Fulfills Mason Core Req?
(undergrad only)

☐ Currently fulfills requirement

☐ Submission in progress

Credits: (check one)

☐ Fixed

☐ Variable ___ to ___

Repeat Status: (check one)

☐ Not Repeatable (NR)

☐ Repeatable within degree (RD)

☐ Repeatable within term (RT)

Maximum credits allowed: ___

Grade Mode: (check one)

☐ Regular (A, B, C, etc.)

☐ Satisfactory/No Credit

☐ Special (A, B C, etc. +IP)

Schedule Type: (check one)
LEC can include LAB or RCT

☐ Lecture (LEC)

☐ Lab (LAB)
☐ Recitation (RCT)
☐ Internship (INT)

☐ Independent Study (IND)

☐ Seminar (SEM)
☐ Studio (STU)

Prerequisite(s):

Competency in programming at CSI 501 level or permission of instructor

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

9/4/2015

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.

FOR ALL COURSES (required)

Course Number and Title: 780 Computational Physics and Applications

Date of Departmental Approval: 9/4/2015

FOR MODIFIED COURSES

- Summary of the Modification:
    Modification of the prerequisites.

- Text before Modification :
    PHYS 502; FORTRAN, C, or C++ programming; or permission of instructor

- Text after Modification (title, repeat status, catalog description, etc.):
    Competency in programming at CSI 501 level or permission of instructor

- Reason for the Modification:
    Currently, CSI 780 does not need pre-requisite material relevant to PHYS 502 Introduction to Quantum Mechanics and Atomic Physics. Instead, students need competency in programming at the level of CSI 501, which is a programming course offered regularly