George Mason University
Graduate Course Approval/Inventory Form

Please complete this form and attach a copy of the syllabus for new courses. Forward it as an email attachment to the Secretary of the Graduate Council. A printed copy of the form with signatures should be brought to the Graduate Council Meeting. Complete the Coordinator Form on page 2, if changes in this course will affect other units.

Please indicate: _____ NEW   _XX_ MODIFY   _____ DELETE

Local Unit:  ISE  Graduate Council Approval Date:

Course Abbreviation:  SWE  Course Number: 721

Full Course Title: Reusable Software Architectures

Abbreviated Course Title (24 characters max.): Reusable Software Arch

Credit hours: 3  Program of Record: Software Engineering

Repeatable for Credit?

D=Yes, not within same term   Up to hours
T=Yes, within the same term   Up to hours
N=Cannot be repeated for credit

Activity Code (please indicate): _X_ Lecture (LEC) ___ Lab (LAB) ___ Recitation (RCT)
___ Studio (STU) ___ Internship (INT) ___ Independent Study (IND) ____ Seminar (SEM)

Catalog Credit Format  3: 3 : 0  Course Level: GF(500-600) _X_ GA(700+)

Maximum Enrollment: 40  For NEW courses, first term to be offered:

Prerequisites or corequisites:  SWE 620 and 621

Catalog Description (35 words or less)  Please use catalog format and attach a copy of the syllabus for new courses. This course investigates the software concepts that promote reuse of software architectures. The influence of object technology on software design and reuse is studied. Domain Modeling methods, which model the application domain as a software product family from which target systems can be configured, are investigated. The course also covers reusable software patterns including architecture patterns and design patterns, software components, and object-oriented frameworks.

For MODIFIED or DELETED courses as appropriate:

Last term offered: Fall 2002  Previous Course Abbreviation: Adv Software Design Meth Previous number: 721

Description of modification: Changed name to reflect current emphasis in course

APPROVAL SIGNATURES:
Submitted by:  __Jeff Offutt________________ email:  _ofut@gmu.edu___
Department/Program:  ___________________________ Date: ________________________

College Committee:  ___________________________ Date: ________________________
Graduate Council Representative:  ___________________________ Date: ________________________
GEORGE MASON UNIVERSITY
Course Coordination Form

Approval from other units:

Please list those units outside of your own who may be affected by this new, modified, or deleted course. Each of these units must approve this change prior to its being submitted to the Graduate Council for approval.

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Graduate Council approval: ______________________ Date: __________
Graduate Council representative: ______________________ Date: __________
Provost Office representative: ______________________ Date: __________