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  ___ MODIFY  ___ DELETE

Local Unit: CSS  Graduate Council Approval Date: 

Course Abbreviation: CSS  Number: 635

Full Course Title: COGNITIVE FOUNDATIONS OF COMPUTATIONAL SOCIAL SCIENCE

Abbreviated Course Title (24 characters max.): COGNT FOUND COMP SOC SCI

Credit hours: 3:3:0  Program of Record: CSS

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):  

____ 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) ___ GA(700+) ___

Maximum Enrollment: 20  For NEW courses, first term to be offered: Fall 2006+

Prerequisites: CSS 600 and CSS 610 or permission of instructor

Catalog Description (35 words or less) Please use catalog format and attach a copy of the syllabus for new courses: Examines cognitive foundations and information processing in computational social agents and compares to comparable human cognitive phenomena, including emotions, trust, reciprocity. Emphasis on modeling project.

For MODIFIED or DELETED courses as appropriate:

Last term offered:  

Previous Course Abbreviation: Previous number:

Description of modification:

APPROVAL SIGNATURES:  

Submitted by: __Prof. Claudio Cioffi-Revilla__ email: _ccioffi@gmu.edu_

Department/Program: _Center for Social Complexity_ Date: ____2/3/2004____

College Committee: ___________________________ Date: __________________

Graduate Council Representative: ______________________ Date: __________________
**Course Name and Number:** CSS 635 (3:3:0) Cognitive Foundations of Computational Social Science

**Catalog Description:** Examines cognitive foundations and information processing in computational social agents and compares to comparable human cognitive phenomena, including emotions, trust, reciprocity. Emphasis on modeling project. Pre-requisites: CSS 600 Introduction to Computational Social Science.

**Syllabus Topics:**
- Introduction to cognitive dimensions of social simulations and computational social psychology.
- Perception
- Human information processing
- Cognitive representations
- Learning
- Cognitive dynamics
- Reciprocity
- Trust and cooperation
- Reputation
- Conflict and contentious behavior
- Collective intentionality

**Reading Resources:**
- Selected readings from the course bibliography.