

Course Change Request

Date Submitted: 03/21/24 12:53 pm

Viewing: **CSS 665 : Complex Adaptive Systems in Public Policy**

Last approved: 05/06/21 5:01 am

Last edit: 03/22/24 12:12 pm

Changes proposed by: drothma

Catalog Pages referencing this course

- [Computational Social Science \(CSS\)](#)
- [Department of Computational and Data Sciences](#)

Select modification type:

- [Simple](#)
- [Substantial](#)

Are you completing this form on someone else's behalf?

No

Effective Term: Fall 2024

Subject Code: CSS - Computational Social Science

Course Number: 665

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Complex Adaptive Systems in Public Policy

In Workflow

- CDS Chair
- SC Curriculum Committee
- SC Assistant Dean
- Assoc Provost-Graduate
- Registrar-Courses
- Banner

Approval Path

- 03/22/24 9:50 am
Jason Kinser (jkinser): Approved for CDS Chair

History

- May 6, 2021 by Tory Sarro (vsarro)

Banner Title: Complx Adaptv Syst/Public Pol

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

Repeatable: May only be taken once for credit (NR)
GRADUATE ONLY

Default Grade Mode: Graduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):

[CSS 600 or permission of instructor](#)

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

| And/Or | (| Course/Test Code | Min Grade/Score | Academic Level |) | Concurrency? |
|--------|---|------------------|-----------------|----------------|---|--------------|
| | | | | | | |

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Include

Limited to students with a class of Senior Plus (SCRCLS_ONLY_SP)

Limited to students with a class of Non Degree (SCRCLS_ONLY_ND)

Limited to students with a class of Advanced to Candidacy. (SCRCLS_ONLY_DC)

Limited to students with a class of Graduate. (SCRRCLS_ONLY_GR)

Limited to students with a class of Junior Plus (SCRRCLS_ONLY_JP)

Level(s):

Include

Enrollment limited to students with a level of Non-Degree (SCRRLVL_ONLY_ND)

Limited to undergraduate level students. (SCRRLVL_ONLY_UG)

Limited to graduate level students only. (SCRRLVL_ONLY_GR)

Degree(s):

Exclude

Non-Degree Undergraduate Degree students may not enroll. (SCRRDEG_NO_NDU)

School(s):

Catalog

Description:

Students learn (i) basic concepts of complex adaptive systems (CAS) and how they can be applied to policy analysis, and (ii) how to use agent-based modeling as a tool for policy analysis. Address modeling issues on representing a system, agent decision making, validation, experiment design and analysis, as well as incorporating empirical data and methods to inform agent-based modeling.

Justification:

what: change CSS 600 or permission of instructor from a recommended prerequisite to a required prerequisite.

why: the course builds on material covered in CSS 600; therefore it should be a required rather than recommended prerequisite

Does this course cover material which crosses into another department? No

Learning Outcomes:

Will this course be scheduled as a cross-level cross listed section?

Attach Syllabus

Additional Attachments

Specialized Course Categories:

**Additional
Comments:**

**Reviewer
Comments**

Key: 3465