

# 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

In Workflow

1. CDS Chair

2. SC Curriculum Committee

3. SC Assistant Dean

4. Assoc Provost- Graduate

5. Registrar-Courses

6. Banner

Approval Path

1. 03/22/24 9:50 am

Jason Kinser

(jkinser): Approved for CDS Chair

History

1. May 6, 2021 by Tory Sarro (vsarro)

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

**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 (SCRRCLS\_ONLY\_SP)

Limited to students with a class of Non Degree (SCRRCLS\_ONLY\_ND)

Limited to students with a class of Advanced to Candidacy. (SCRRCLS\_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 (SCRRVLV\_ONLY\_ND)

Limited to undergraduate level students. (SCRRVLV\_ONLY\_UG)

Limited to graduate level students only. (SCRRVLV\_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