California State University San Marcos • NEW COURSE • FORM C

ORIGINATOR'S SECTION:		

1. College:

☐ CHABSS ☐ CoBA
☐ CoEHHS ☒ CSM

Desired Term and Year of Implementation (e.g., Fall 2008):

Fall 2019

2. Course is to be considered for G.E.? (If yes, also fill out appropriate GE form*) ☐ Yes ☒ No

3. Course will be a variable-topics (generic) course? ☐ Yes ☒ No
("generic" is a placeholder for topics)

4. Course abbreviation and Number:* FIRE 402

5. Title: *(Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)*
Fire Behavior, Fuels, and Resource Management

6. Abbreviated Title for PeopleSoft:
(no more than 25 characters, including spaces)
Fire Bhvr & Rsrce Mgt

7. Number of Units: 3

8. Catalog Description: (*Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.*)

Covers the use of Geographic Information Systems (GIS) and analytical tools to understand and evaluate fire behavior prediction systems, with attention to assumptions, limitations, uncertainty, sensitivity, and probability. Explains and demonstrates how fuels, land use, and environmental conditions influence combustion and behavior by using fire models, with discussion on how resource deployment and land management influences outcomes of an incident. Examines and evaluates the tools and approaches for inventory and management of fuels for wildland fires over large, diverse areas in forests, woodlands, shrubland, and grasslands. *Prerequisite: FIRE 101.*

9. Why is this course being proposed?

Course is part of the curricula for the newly proposed <u>Bachelor of Science in Wildfire Science and the Urban Interface</u>

10. Mode of Instruction*

For definitions of the Course Classification Numbers:
http://www.csusm.edu/academic_programs/curriculumscheduling/catalogcurricula/DOCUMENTS/Curricular_Forms_Tab/Instructional%20Mode%20Conventions.pdf

Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)
Lecture	3	C2
Activity		
Lab		

11. Grading Method:*
☒ Normal (N) *(Allows Letter Grade +/-, and Credit/No Credit)*
☐ Normal Plus Report-in-Progress (NP) *(Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)*
☐ Credit/No Credit Only (C)
☐ Credit/No Credit or Report-in-Progress Only (CP)

12. If the (NP) or (CP) grading system was selected, please explain the need for this grade option.

13. Course Requires Consent for Enrollment? ☐ Yes ☒ No

☐ Faculty ☐ Credential Analyst ☐ Dean ☐ Program/Department - Director/Chair

14. Course Can be Taken for Credit More than Once? ☐ Yes ☒ No
If yes, how many times? (including first offering)

15. Is Course Crosslisted: ☐ Yes ☒ No

If yes, indicate which course and check "yes" in item #22 below.

16. Prerequisite(s): ☒ Yes ☐ No FIRE 101

17. Corequisite(s): ☐ Yes ☒ No

18. Documentation attached:

☐ Syllabus   ☒ Detailed Course Outline

19. If this course has been offered as a topic, please enter topic abbreviation, number, and suffix:* N/A

20. How often will this course be offered once established?* Once per academic year

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:
(Mandatory information – all items in this section must be completed.)

21. Does this course fulfill a requirement for any major (i.e., core course or elective for a major, majors in other departments, minors in other departments)?   ☒ Yes ☐ No

If yes, please specify:

Fulfills requirement for new <u>Bachelor of Science in Wildfire and the Urban Interface</u>

22. Does this course impact other discipline(s)? (*If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature*.)   ☒ Yes ☐ No

If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Geography
Discipline   _____   _____   _____Support _____Oppose
                        Signature   Date

 Biology
Discipline   _____   _____   _____Support _____Oppose
                        Signature   Date

SIGNATURES : (COLLEGE LEVEL) :   **(UNIVERSITY LEVEL)**

Matt Rahn, PhD, JD
_____
1. Originator   (please print or type name)   Date

_____
2. Program Director/Chair   Date

_____
3. College Curriculum Committee   Date

_____
4. College Dean (or Designee)   Date

_____
5. UCC Committee Chair   Date

_____
6. Vice President for Academic Affairs (or Designee)   Date

_____
7. President (or Designee)   Date

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.