CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE

REPORT TO

THE ACADEMIC SENATE

AP-036-167

Urban & Regional Planning-Resiliency, Sustainability & the Environment Option, BS FOR SEMESTERS

Academic Programs Committee	Date: 11/11/2016
Executive Committee Received and Forwarded	Date: 11/16/2016
Academic Senate	Date: 11/30/2016 First Reading 01/11/17 Second Reading

BACKGROUND: The Resiliency, Sustainability, and Environment emphasis is a new option and is designed to address emerging environmental issues in relation with the quality of life.

This option develops an integration of applicable science, environmental ethics, and policy processes to address a wide variety of environmental issues. Environmental planning involves ethical and value judgments and planning processes that address uncertainty in natural and social systems. Topics range from local ecosystems to global climate change.

RESOURCES CONSULTED:
Deans
Associate Deans
Department Chairs
All Faculty

DISCUSSION:
Before reaching the Academic Programs Committee, this program was reviewed by the College Curriculum Committee in the College of ENV as well as the Dean of ENV and the Office of Academic Programs. All concerns raised at those levels were addressed. The Academic Programs Committee then conducted campus-wide consultation, as well as its own review of the program. No concerns were raised.

RECOMMENDATION:

The Academic Programs Committee recommends approval of the semester program - Urban & Regional Planning-Resiliency, Sustainability & the Environment Option, BS

Urban and Regional Planning, B.S. - Resiliency, Sustainability and the Environment: 120 units	
Status	active
Hierarchy Entities	Urban and Regional Planning
Approval Process Name	F. Program - New Option/Minor/Emphasis
Current Step	Office of Academic Programs
Originator	Laura Fujimoto Hernandez
Created	12/09/2015 02:30PM
Launched	12/09/2015 02:34PM
Form	
General Catalog Information	
Department	Urban and Regional Planning
Choose type	Option
Title of the proposed aggregate of courses (e.g. Evolutionary Biology Subplan/Option)	Urban and Regional Planning, B.S. - Resiliency, Sustainability and the Environment: 120 units
Title of the degree major program under which the aggregate of courses will be offered (e.g. Biology, B.S.)	Bachelor of Science in in Urban and Regional Planning
Program total units	120
Description of Option, Minor, or Emphasis	This option develops an integration of applicable science, environmental ethics, and policy processes to address a wide variety of environmental issues. Environmental planning involves ethical and value judgments and planning processes that address uncertainty in natural and social systems. Topics range from local ecosystems to global climate change.
List options or emphases already existing under the degree major program for which the new aggregate of courses is proposed.	None
State the aims of the proposed aggregate of courses.	Detailed objectives and expected learning outcomes for the Resiliency, Sustainability and the Environment Option Description: This option develops an integration of applicable science, environmental ethics, and policy processes to address a wide variety of environmental issues. Environmental planning involves ethical and value judgments and planning processes that address uncertainty in natural and social systems. Topics range from local ecosystems to global climate change. Goals: The option emphasizes developing a broad understanding and methodological flexibility. The focus is on integration and interconnections among scientific studies, qualitative issues, planning and policy processes, and a student's evolving sense of environmental ethics. Students consider proactive plans for sustainability, environmental mitigation, and adaption. Expected Learning Outcomes: The expected learning outcomes are that students will be able to: Analyze and discuss the range of environmental ethics, including different approaches to the integration of technology, consumption, population, biodiversity, and urban design/land use. Analyze and discuss the development of environmental policy in the United States and internationally. Discuss multiple methodologies and and be able to apply at least one environmental methodology such as risk management, environmental impact assessment, environmental cost benefit analysis, or habitat conservation planning. Develop an approach to environmental planning that integrates science, policy instruments, and environmental ethics regarding planning for such issues as: population control technology development management of waste, water, and natural resources the meaning and development of sustainable urban areas planning for pollution control and abatement

	Senior Project Expectation: students will choose a senior project topic relevant to the option.
List courses by subject area, catalog number, title, and units of credit as well as the total units to be required under the proposed aggregate.	Required Subplan/Option Core Courses for Units Resiliency, Sustainability & Environment Option Environment Assessment URP 4660 3 Environmental Policy URP 4870 3 California Water (GE D4) URP 4820 3 Climate Change/Activity URP 4910/A 2/1 Total Units 12 Option Electives: Choose a minimum of 3 units with approval of advisor from courses listed below: Special Study for UD Students URP 4000 1-3 Physical Design Applications/Lab URP 4030/L 1/2 Placemaking Seminar (GE D4) URP 4040 3 Evolution of American Cities and the URP 4110 3 Planning Movement (GE D4) Methods of Engagement; Participation, URP 4200/A 2/1 Negotiation, Mediation for Planning/Activity Planning Advocacy, Community Organizing and Social Change/Activity URP 4210/A 2/1 The Just City (GE D4) URP 4220 3 Planning for Minority Communities URP 4230 3 Community Development and URP 4340/A 2/1 Housing/Activity Regional Transportation Policy and URP 4350 3 Planning Planning for Infrastructure URP 4370 3 Infrastructure Finance URP 4390 3 Field Internship (Supervised) URP 4410 1-2 Land Use and Urban Design URP 4510/A 2/1 Policy/Activity GIS Applications in Planning Studio/Lab URP 4780/L 2/2 Development Processes/Activity URP 4830/A 2/1 Neighborhood Development/Activity URP 4840/A 2/1 Urban Design Principles and URP 4850/L 2/1 Techniques/Lab Local Transportation/Lab URP 4880/L 2/1 Transportation Methods and Analysis/Lab URP 4890/L 2/1 Advanced GIS/Lab URP 4900/L 2/2 Advanced Planning Studio/Lab URP 4980/L 2/1 Special Topics/Activity/Lab URP 4990/A/L 1-3 Affordable Housing Seminar URP 4330 3 Land Use Entitlements URP 4380 3 International Planning URP 4760 3 Public Finance URP 4360 3 Choose a minimum of 6 units from courses listed below: Planning in a Global Economy (GE D4) URP 4750 3 Public Participation URP 4240 3 Global Regenerative Systems* (GE D4) RS 3020 3 Sustainable Communities* (GE C4, D4) RS 4500 3 Total Elective Units 9
Justify the need for the proposed aggregate of courses.	Strengthening curricular focus The option will guide students in the selection of URP electives that-in aggregate-represent a specialization. Career Preparation and graduate school: The Resiliency, Sustainability and the Environment option prepares students for a variety of career and academic paths. Careers include jobs with public agencies, including local and state governments, environmental regulators, as well as private sector developers and others. Graduates also may find opportunities with related consulting firms and non-profit sector advocacy and research organizations. The option is also good preparation for further specialization in a graduate program.
List courses by subject area, catalog	Flow chart for URP Core and URP option core courses

Year 1 -- Fall (12 Units)		Year 1 -- Spring (10 Units)	
URP 1040/L The City in Context -- History Poltics, Environment (2-1L)	3	URP 2020/L Tools and Graphic Communication (1-2A)	3
URP 2010/L Introduction to Urban Design Theory for Planning(1-2L)	3	URP 3310/L Research Approaches to Planning (2-1L)	3
URP 1050 Social Justice in Planning	3	URP 1200L Intro to GIS for Planning Lab (1L)	1
Option-required course	3	Option-required course	3
Year 2 -- Fall (14 Units)		Year 2 -- Spring (13 Units)	
URP 3030/L Urban Design -- Site and	3	URP 3320/L Demography and	4

number, title, and units of credit as well as the total units to be required for the major in which the proposed aggregate of courses is to be included.

Neighborhood (1-2L)			Statistics (3-1L)	
URP 3370/L Urban Systems -- Infrastructure (1-1L)	2		URP 3350/A Plan Making -- History and Future (2-1A)	3
URP 3380 Urban Systems - Climate Change & Environment	2		URP 3050/A Social Context for Urban Change (2-1A)	3
URP 3510 Planning and Land Use Law	4		Option-required course	3
Option-required course	3			
Year 3 -- Fall (12 Units)			Year 3 Spring (11 Units)	
URP 4600A Community Planning Studio Preparation (1A)	1		URP 4320/L Community Planning Studio and Lab (2-2L)	4
URP 4500A Ethics Writing for Planning (1A)	1		URP 4620 Senior Project	2
URP 4600A Senior Project Preparation (1A)	1		URP 4630 Professional Practice for Planning	2
URP 3340/L Policy Analysis Planning (2-1L)	3		Option- elective course	3
Option-elective course	3			
URP elective course	3			

List new courses to be developed. You will need to submit separate course proposals for each new course.

URP 4240 Public Participation Course examines important role of public participating in planning process. While planners are trained to take on leadership roles, they often play a key role in facilitating public participation for the public good. Students learn fundamental methods of public participation.

List all present faculty members with rank, appointment status, highest degree earned, date and field of highest degree, and professional experience, who would teach in the proposed aggregate of courses.

Felix R. Barreto Professor. B.A., (1978); M.C.R.P. (1980) and Ph.D. (1986) Rutgers University. Specializations: Planning Methods, Urban Theory, Housing, Urban Economics.
Julianna Delgado, AICP Professor. BA, University of California, Berkeley (1971); Master of Arts in Design, University of Paris (1974); Master of Architecture, University of California, Berkeley (1981); PhD in Architecture, University of California, Berkeley(1992). Specializations: Land Use, Design, Planning Studios.
Alvaro Huerta Assistant Professor. BA (2003); and MS (2006), University of California, Los Angeles; Ph.D., University of California, Berkeley (2011). Specialization: Community Development.
Courtney Knapp Assistant Professor. BA (2003); and MA (2006) Simmons College, Boston; MA, Tufts University, Medford, MA (2008), Ph.D. Cornell (2014). Specialization: Community Development.
Dohyung Kim Associate Professor. BS, Kyung-Hee University (1991); MS in URP, University of Wisconsin, Madison (1999); Ph.D., University of Florida (2005). Specializations: GIS, Collaborative Urban Design, Transportation Modeling.
Jerry V. Mitchell Professor. BS, University of Illinois (1971); J.D., (1975); Ph.D., University of Michigan (1986). Specializations: Planning Law, Environmental Planning.
Gwen H. Urey Professor. BA, Bryn Mawr College (1979); M.U.P., University of Oregon (1983); Ph.D., Cornell (1995). Specializations: Planning Methods, Infrastructure Planning, International Planning.
Richard W. Willson, FAICP Professor. Bachelor of Environmental Studies, University of Waterloo, (1978); Master of Planning, University of Southern California, (1983); Ph.D., University of California, Los Angeles, (1991). Specializations: Planning Theory, Transportation Planning, Policy Analysis.
Richard J. Zimmer, AICP Full time Lecturer. BA, California State Polytechnic University, Pomona (1973); MPA, University of Southern California (1975). Specializations: Community Development, Politics & Government, Public Finance, Real Estate Development.
Affiliated Faculty:
Herschel Farberow Professor Emeritus. BS, California State Polytechnic University, Pomona (1972); MA, University of California, Los Angeles (1974). Specializations: Design Foundations, Landscape Architecture, Urban Design.
Ramzi Farhat Lecturer. BA in Architecture, American University of Beirut (1999); Master of Arts in Urban Planning, University of California, Los Angeles (2004); Ph.D. in Policy, Planning, and Development, University of California (2010). Specialization: Urban Design.
Kipp KobayashiLecturer. BFA, University of California, Berkeley (1983); MFA, University of California, Los Angeles (1986). Specializations: Urban Design.
Hollie M. Lund Lecturer. BA, Western Washington University (1997); Ph.D., Portland State University (2001). Specializations: Neighborhood Design and Planning, Community Development, Transportation Planning, Community and Environmental Psychology.
Meredith McKenzie Lecturer. BA Bowling Green State (1974); MA Kent State University (1980); JD, Law, Loyola University (1998). Specializations: Environmental Planning, California Water.
Meenaxi Panakkal Lecturer. Bachelor of Architecture (1987) Academy of Architecture, Bombay, India, MURP, California State Polytechnic University, Pomona (2003). Specializations: Land Use Planning, Urban Design.
Marta Perlas Lecturer. B.Arc, SciArc, Santa Monica, CA (1987). Specialization: Urban Design.
Abhishek Tiwari Lecturer. BA (1998) and MPH (2000) University of California, Los Angeles, MA

	(2007) University of California, Irvine, Ph.D. (2007) University of California, Irvine. Specializations: Research Methods, Policy Analysis, Housing.
Describe instructional resources (faculty, space, equipment, library volumes, etc.) needed to implement and sustain the proposed aggregate of courses.	The courses require minimal additional instructional resources. Only URP 4240 is new, and it also will be used by students in other options and the graduate program. Some of the courses may be offered in alternating years. The new GIS course may put pressure on GIS classroom resources, but this is an area of steadily increasing interest from students as well as the profession. Historically, the two courses in Regenerative Studies have been popular GE and RS-Minor selections for URP students. Including them in the option should not increase demand. In addition, the URP Strategic Plan envisions undergraduate cohorts of 72 students, graduate cohorts of 24 students, and ten tenure line faculty.
List all additional resources needed including specific resource, cost, and source of funding.	None.
Program Type	Program
Curriculum	
Steps	
Files	None