CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE

REPORT TO

THE ACADEMIC SENATE

AP-035-167

Urban & Regional Planning-Infrastructure & Transport 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

<u>BACKGROUND</u>: The Infrastructure and Transportation emphasis is a new option and is designed to produce urban planners who work for cities' infrastructure development and management.

Infrastructure is the basic physical and organizational backbone needed for the operation of a city. This option covers any form of infrastructure that is an important shaper of the built environment, including transportation, drinking water and waste management. This option provides students with advanced level courses for understanding, analyzing, and planning complex systems that keep cities working every day. Students are encouraged to build knowledge about infrastructure from a variety of perspectives, including: planning practice and policy, analytic methods applied to infrastructure planning and operations, relationship between infrastructure and land use, infrastructure providers and their regulation, particular modes of transportation, innovation and equity.

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.

<u>RECOMMENDATION</u>: The Academic Programs Committee recommends approval of the semester program Infrastructure and Transportation Option.

Status	active				
Hierarchy Entities	Urban and Regional Planning				
Approval Process Name					
Current Step	Office of Academic Programs				
Originator	Laura Fujimoto Hernandez				
Created	12/07/2015 04:04PM				
Launched	12/07/2015 04:10PM				
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 Infrastructure and Transportation Option: 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	Infrastructure is the basic physical and organizational backbone needed for the operation of a city. This option covers any form of infrastructure that is an important shaper of the built environment, including transportation, drinking water and waste management. This option provides students with advanced level courses for understanding, analyzing, and planning complex systems that keep cities working every day. Students are encouraged to build knowledge about infrastructure from a variety of perspectives, including: planning practice and policy, analytic methods applied to infrastructure planning and operations, relationship between infrastructure and land use, infrastructure providers and their regulation, particular modes of transportation, innovation and equity.				
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.					

		Apply techniques to engage public interest in the process of infrastructure and transportation planning, with attention to equity. Discuss and contribute to knowledge about how to, monitor, regulate, plan and pay for urban infrastructure projects or services, through agencies such as federal, state and local governments, NGO's, private sector organizations, and partnerships. 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.	Planning for Minority Communities URP 4230 3 Community Development and Housing/Activity URP 4340/A 2/1 Field Internship (Supervised) URP 4410 1-2 Land Use and Urban Design Policy/Activity URP 4510/A 2/1 Environmental Assessment URP 4660 Blanning in a Global Economy (GE D4) URP 4750 3							
	Justify the need for the proposed aggregate of courses.	Including transportation and transit agencies, utilities and other authorities or special districts							
		Flow chart for URP Core and URP option core cour	ses	3					
		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				
	List courses by	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)	L	Year 2 Spring (13 Units)	\perp				
	subject area, catalog number, title, and	URP 3030/L Urban Design Site and Neighborhood (1-2L)	3	URP 3320/L Demography and Statistics (3-1L)	4				
	units of credit as well as the total	URP 3370/L Urban Systems Infrastructure (1-1L)	2	URP 3350/A Plan Making History and Future (2-1A)	3				

	units to be required for the major in which the proposed aggregate of courses is to be included.	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	opasii required course	-
		Year 3 Fall (12 Units)	Ť	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.	financing. Methods of public/private partnerships URP 4240 Public Participation Course examines in process. While planners are trained to take on letacilitating public participation for the public good participation. URP 4350 Regional Transportation Policy and Plai behavior, politics and finance that shape regional policy issues in regional transportation planning. transportation policy. URP 4370 Planning for Infrastructure Examination infrastructure in comparative urban contexts. Coi social justice aspects. Investigation of the influen and policies, especially relating to resilience. URP 4390 Infrastructure Finance Financing techni Procedures for defining capital needs and budget assessment districts, tax districts, bonds, special financing. Methods of public/private partnerships URP 4780 GIS Applications in Planning Studio Usi application of spatial analysis to real world urban urban planning problems and to support urban pl	npor npor ader . Stu nning trar Plan n of a nside ce o ques ling. sale for i plar	tant role of public participating in planniship roles, they often play a key role in idents learn fundamental methods of pure growth of the planning and evaluation methods in regional a broad range of non-transportation ers public and private sector interests, a fithe planning field in infrastructure trensfor include exactions, and other taxes, local, state and federal frastructure financing. Infrastructure financing. Infrastructure financing. Infrastructure financing.	iblic vel of l and ads
	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. Specializations: Planning Methods, Urban Theory, Julianna Deigado, AICP Professor. BA, University in Design, University of Paris (1974); Master of A (1981); PhD in Architecture, University of Californ Design, Planning Studios. Alvaro Huerta Assistant Professor. BA (2003); an Angeles; Ph.D., University of California, Berkeley Development. Courtney Knapp Assistant Professor. BA (2003); Tufts University, Medford, MA (2008), Ph.D. Combevelopment. Dohyung Kim Associate Professor. BS, Kyung-He Wisconsin, Madison (1999); Ph.D., University of F Collaborative Urban Design, Transportation Model Jerry V. Mitchell Professor. BS, University of Illin Michigan (1986). Specializations: Planning Law, E Gwen H. Urey Professor. BA, Bryn Mawr College Ph.D., Cornell (1995). Specializations: Planning Milanning. Richard W. Willson, FAICP Professor. Bachelor of (1978); Master of Planning, University of Souther California, Los Angeles, (1991). Specializations: Analysis. Richard J. Zimmer, AICP Full time Lecturer. BA, (1973); MPA, University of Southern California (1) Development, Politics & Government, Public Finar Affiliated Faculty: Herschel Farberow Professor Emeritus. BS, Califo (1972); MA, University of California, Los Angeles Landscape Architecture, Urban Design. Ramzi Farhat Lecturer. BA in Architecture, Americans and California an	Hou of Corchithia, if d MS (20 and elli (20 e Undorld lling. lois (10 myler (1976) etho e lling (1975) eth	using, Urban Economics. alifornia, Berkeley (1971); Master of Ar ecture, University of California, Berkele Berkeley(1992). Specializations: Land U 6 (2006), University of California, Los 11). Specialization: Community MA (2006) Simmons College, Boston; M 2014). Specialization: Community liversity (1991); MS in URP, University of a (2005). Specializations: GIS, 1971); J.D., (1975); Ph.D., University of commental Planning. 9); M.U.P., University of Oregon (1983) ods, Infrastructure Planning, Internation ironmental Studies, University of Wateri cliffornia, (1983); Ph.D., University of connia State Polytechnic University, Pomo 1. Specializations: Community Real Estate Development. State Polytechnic University, Pomona 74). Specializations: Design Foundations	ts y y se, IA, of ;;al lloo, ollicy

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 McKenzle Lecturer. BA Bowling Green State (1974); MA Kent State University (1980); JD, Law, Loyola University (1998). Specializations: Environmental Planning, California Water. Meenaxi Panakkai 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.
The courses require at most modest additional instructional resources. Some of the new courses Describe instructional have been offered as URP 499 courses in the past few years. All option electives except URP 435 resources (faculty, and URP 4890 will serve as option elective courses for students in another options, as well as for space, equipment, students in the MURP program. Some of the courses may be offered in alternating years. One library volumes, course, URP 435, may be offered concurrently with the converted graduate version of the etc.) needed to course, URP 535. The new GIS course may put pressure on GIS classroom resources, but this is implement and an area of steadily increasing interest from students as well as the profession. It is appropriate sustain the to dedicate new resources to GIS instruction. proposed aggregate In addition, the URP Strategic Plan envisions undergraduate cohorts of 72 students, graduate of courses. cohorts of 24 students, and ten tenure line faculty. List all additional resources needed including specific None. resource, cost, and source of funding. Program Type Program Curriculum Steps Files None