

Academic Year 2009-2010

Senior Research Project Titles ordered by AOC/Grand Challenge

Areas of Concentration	Grand Challenges	Research Projects	Mentor/s
1. Architecture and Urban Design / Urban and Regional Planning	1.1 Built Environment: Sprawl and Smart Growth	1.1.1 Market Creek Plaza: Walkable or Not? An Assessment of Walkability Audits, Their Results, and Their Impact on Future Development, by Jasmin Kay Ayres	Susan Peerson, Mirle Bussell, Nancy Kwak
		1.1.2 New Urbanism, An Experiment or Practical Approach? A Study Based on New Urbanism and its Approaches to Solve Transportation Problems, by Judy Chau	
		1.1.3 Greening the University: Challenges and Progress in the Implementation of Sustainable Practices, by James Grosvenor	
		1.1.4 Implementing Sustainable Practices and Elements in University City: Creating a Pedestrian-Friendly Community, by Antonio Monreal	
		1.1.5 Bicycle Planning at the University of California, San Diego, by Laura Weinstein	
		1.1.6 Study and Analysis of Transit Oriented Development: Mission Valley, by William Lee	
		1.1.7 Universal Access: A Case Study of Mayberry Townhomes, by Andre de Metz	
	1.2 Reviving Lost Spaces Within the Urban Landscape (Susan Peerson)	1.2.1 Designing Sustainability: Forging a Balance between Social and Ecological Needs, by Jemma Mae De Leon	Susan Peerson
		1.2.2 The Character of Infill: A Case Study of Hillcrest's Uptown Shopping Center, by Jenny Ngo	
		1.2.3 Innovative Urban Design: The Case of San Francisco's Octavia Boulevard, by Maia Maria Almendra	
		1.2.4 Private Sector Effects on the Public Realm: A Case Study of Downtown's Ballpark District, by Brian Knox	
		1.2.5 Preserving Los Angeles: An Examination of Survey LA as a Process Model, by Pamela Peng	

2. Community & Economic Development	2.1 Community Mobilization and Empowerment	2.1.1 Examining Food Culture for Grassroots Mobilization: A Case Study of Food Networks and Consciousness in the Ethnic Immigrant and Refugee Community of City Heights, by Roberta Lee	Mirle Bussell, Jesse Mills
		2.1.2 Las Colinas Jail Expansion Approved in Santee, California, by Jennifer Tran	
		2.1.3 San Diego Ethnic Business Cluster: A Case Study of the Proposed Little Saigon on El Cajon Blvd, by Thao Nguyen	
		2.1.4 Participatory Planning in Redevelopment: Are Project Area Committees Working? by Lanvy Nguyen	
		2.1.5 The Faith Sector: Comparing faith-based and non faith-based Community Organizing in City Heights, by Eunice Yuk	
		2.1.6 The birth of a New Institution: A Case Study of the Financial Opportunities Center, by Cynthia Centeno	
		2.1.7 The Birdland Pit: Community Involvement in Infill Development, by Adam Gage	
2.2 Economical Development of Historical and Cultural Districts	2.2.1 Fitting Cultural Heritage Within Economic Development, by Victor Cuate	Jay Turner, George Franck	
	2.2.2 Cultural Economics, by Cody Fleischauer		
	2.2.3 Analyzing the Process of Gentrification and Its Impact on Affordable Housing, by Austin Jun		
2.3 Greening of Industry	2.3.1 Arriving at Sustainability: Investigating the Incentives of Airport Sustainability Programs, by Timothy Peterka	Julie Hampel	
	2.3.2 The Business of Sustainability, by Sung Gil Hong		
3. Environment	3.1 Barriers to Access of Basic Resources	3.1.1 Identifying Environmental Injustice through Topics of Tribal Sovereignty and Land Use Politics, by Anastasiya Plotina	Julie Hamel
		3.1.2 Running Dry: A Historical Analysis of Water System Development in San Diego, by Carla Salehian	
		3.1.3 Disparities in Food Outlets: In What Way Does the Community You Live in Determine the Types of Food Available? by Maureen MacManus	
		3.1.4 Examining UC San Diego's Organizational Structure and Culture: Towards Energy Neutrality, by Sandy Ngan	
4. Housing	4.1 Affordable Housing	4.1.1 Improving Quality of Life for Seniors: A Case Study in Serviced-Enriched Affordable Housing, by Nicole Piano	Nico Calavita
		4.1.2 Addressing the Needs of the Underserved: A Case Study of the Mercado Apartments in Barrio Logan, by Jacqueline Franco	
	4.2 Housing	4.2.1 Overcoming Height Restrictions: Negotiating Policy & Developing North Campus Housing, Ph. II, by David Lillo	
		4.2.2 Redevelopment and Affordable Housing: City of San Diego RDA's Affordable Housing Developments Demonstrate Spatial Quality, by Michelle Kim	

		4.2.3 The Public Sector's Cultural Competency and Effectiveness in Providing Latinos with Homeownership, by Vivian Flores	
5. Infrastructure and Public Facilities / Public Health, Safety and Welfare	5.1. Education in The Urban Environment	5.1.1 ACCESS: An Analysis of a Different Approach to Alternative Education, by Justice Castaneda	Luz Chung
		5.1.2 A "Preuss School" For Urban Communities? Addressing the Possibility of Positive Change in Education for Urban Communities in Their Own Community, by Irene Cheng	
		5.1.3 Public Education: Why Are California's Schools Failing the Students Who Need Them the Most? by Carolyn James	
		5.1.4 The Effect of the Campus Social Climate at UCSD on Student Body Retention, by Sonlong Nguyen	
	5.2. San Diego Safety and Urban Planning	5.2.1 Emergency Response Planning at UCSD, by Emma Reed	Julie Wartell
		5.2.2 The Correlations Between Traffic Management Systems and Community Demographics, by Omri Ben-Ari	
		5.2.3 Burn After Reading: Merging Fire Science with the Governance of San Diego's Wildland-Urban Interface, by William Godfrey	
7. Transportation Planning	7.1 Enhancing Regional Mobility	7.1.1 Coordinating Multimodal Transit Operations to Maximize Ridership Generation, by Michael Couvrette	Nancy Bragado, Denise Pereira
		7.1.2 The Affect of the Superloop Bus Route on UCSD-Generated Traffic in University City, By Nicholas Fung	
		7.1.3 Shared-Lane Markings in San Diego: Low-Cost, Non-Segregated Alternative Bicycle Facilities, by Trevor Haag	
		7.1.4 Striving Toward Healthy Communities: Improving Walkability in the City of La Jolla, by Elle Harrington	
		7.1.5 Federal Funding, Metropolitan Planning Organizations, and Rural Transportation, by Dillon Miner	
		7.1.6 Transportation, Infrastructure Development, and Sustainability in Rio de Janeiro, by Mina Pashayi	
8. Tribal Policy		Identifying Environmental Injustice through Topics of Tribal Sovereignty and Land Use Politics, by Anastasiya Plotina (in Barriers to Access of Basic Resources, Environmental Area of Concentration)	

10. US-Mexico Border Planning	8.1 Go-Green Foundation	10.1.1 A Sustainable U.S- Mexico Border, by David Gallegos	Oscar Romo
		10.1.2 US-Mexico Border: An Ethnography of Life in Tijuana, by Guillermo Moreira	
		10.1.3 Unplanned Development: An Analysis and Study of Projects in Los Laureles Canyon and Lusaka, Zambia, by Michelle Lu	
		10.1.4 Community Mobilization and Pervious Pavers in Erosion Control and Storm Water Management Projects, by Diego Mejia	
		10.1.5 Scrap Tire Contamination at the U.S./Mexican Border Region, by Mauricio Moreno	

The 15 Grand Challenges listed on this chart served as the organizing framework for 15 Student-Mentor Research Teams in UCSD's Urban Studies and Planning Program, Senior Sequence Class of 2009-2010. The course was taught by Professor Keith Pezzoli, Ph.D. and two Teaching Assistants: Lydia Lundgren and Saul Cunow. Course web site: <http://seniorsequence.net/>

For more information about the Urban Studies and Planning Program
www.usp.ucsd.edu
 Contact: Steven P. Erie, Director
 858-534-3690

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For information on how you can support the Urban Studies and Planning Program
 Contact: Marcie Marsh, 858-246-0372

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