

# Student Coursework & Local Government Partnership

## Recap

### SOS 494/598 Urban Sustainability: Best Practices/Case Studies

Feb 4, 2015

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**ASU's School of Sustainability**  
**Sustainable Cities Network**

# Sustainable Cities Network's Green Infrastructure & Best Management Practices Working Group

- \* “The mission ..[..] is to collaborate and share “lessons learned” in implementing and promoting the broad range of activities associated with municipal sustainability in Arizona. The goal [..] is to provide a forum and explore technologies, products, and services that may potentially further the cause of municipal sustainability.”

# How the course came about..

- \* Expressed by municipalities & Oregon model (?)
- \* Discussion between and among SCN members (>1 yr)
- \* Discussion with School of Sustainability
- \* Matching School and Student needs with Municipalities' commitments (including value added)
- \* Designing the course at graduate level/senior UG
- \* Implementing and teaching the course

# Partnership Value

## For Municipalities

- \* Service ( documentation & research)
- \* Platform to communicate with ASU continuously
- \* Build repository of best practices & lessons learned to share & house
- \* Leverage and coordinate related partnership related projects with ASU

## For School of Sustainability & Students

- \* Real life opportunities to work with municipalities
- \* Build relationship with professionals and with agencies (research, education, outreach)
- \* Build basis for internship, career and consulting opportunities
- \* Fulfill degree requirements

# Syllabus

- \* SOS 594/SOS 498 Urban sustainability Best Practices/Case Studies (circulated to municipalities)



SOS 594/SOS 498  
Urban sustainability: Best Practices/Case Studies  
Fall 2014 (3 credit hours)  
Thursday 4:30 p.m. to 7:15 pm. EDBL 1-24  
8/21 – 12/05

## Instructor information

Dr. Nalini Chhetri  
School of Sustainability  
Office hours: by appointment. Email: [Nalini.Chhetri@asu.edu](mailto:Nalini.Chhetri@asu.edu)

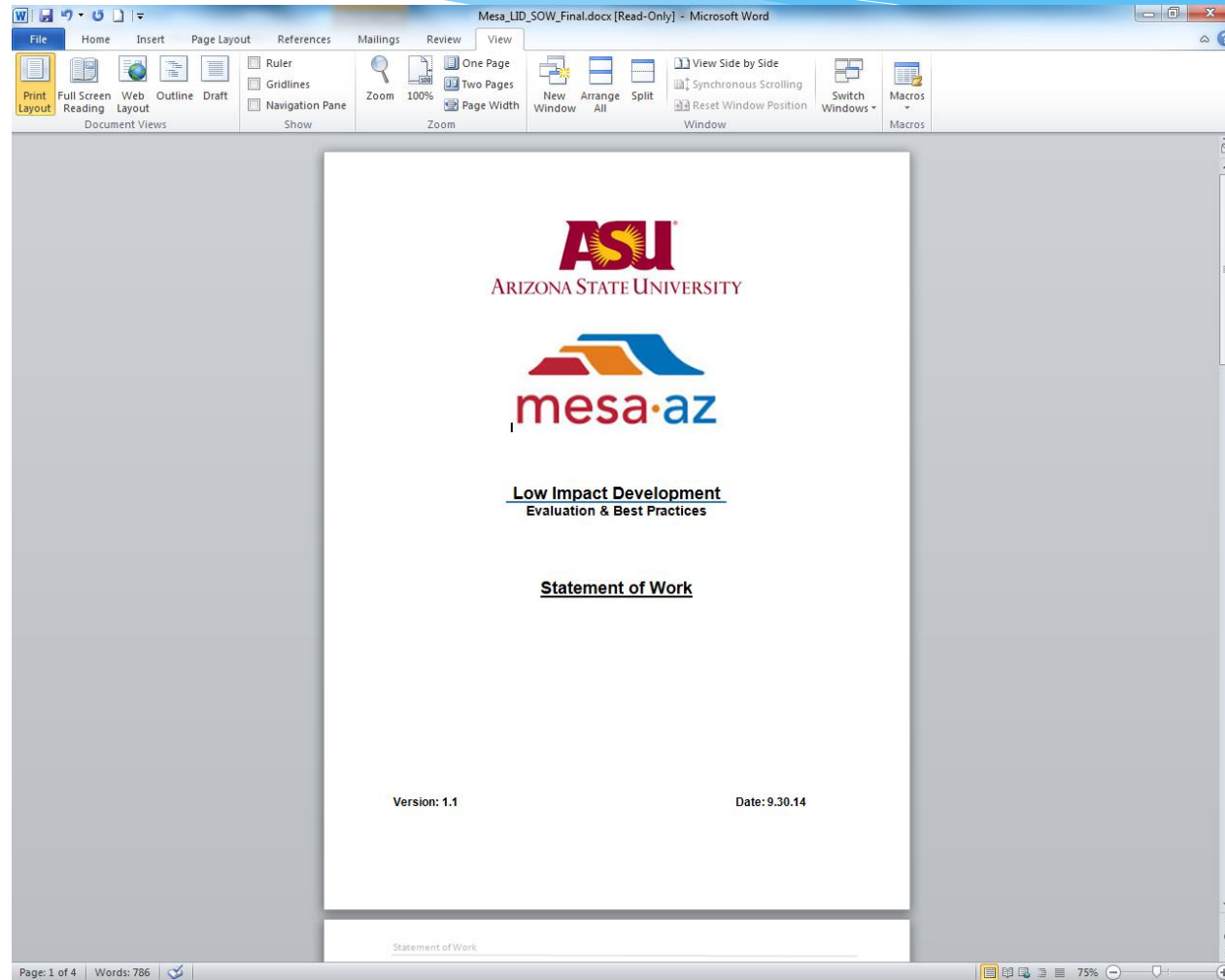
## Course description

There is a dearth of documented sustainability best practices in urban systems in energy, water, waste management, urban forestry, food systems, infrastructure, transportation and health in arid and semi-arid environments. Case studies have specific contexts and issues, and good ones can have great relevancy for practitioners and policy makers who seek them out for information that may influence decision making. In the newly emerging field of urban sustainability, well written and planned case studies have great value for a wide range of stakeholders in understanding lessons learned, challenges faced on and solutions explored of various projects, both big and small, and completed and ongoing. Sharing and engaging of players in urban sustainability in the collaboration of case studies that is specific for their contexts and experiences has been widely felt and expressed. This course is designed to address that niche.

## Course design

This undergraduate course is divided into three modules: 1) Case Identification and SOW/TOE Research

# Course requirement: Scope of Work with disclaimer (sample)



# 13 projects as deliverables

Urban\_sus class12.xlsx (Read-Only) - Microsoft Excel

	A	B	C	D	E	F	G	H
1	Contact Name	City/Organization	Job Title	Proposed Case Studies	Student 1	Student 2	Student 3	Liaison
2	Sandra Rode	Goodyear	Water Conservation Specialist	Demo Garden on a Superfund Site/Dressed for success	Kayce	Andy		Haley
3	Anthony Floyd	Scottsdale	Green Building Program	4. Solar Energy Technologies	Tomasz	Ben		Haley
4	Scott Bouchie	Mesa	Deputy Director of Sustainability	1. LID Pilot & Install Right of Way Mesa Urban Garden	Haley	Van		Andy
5	Scott Bouchie	Mesa	Deputy Director of Sustainability	2. Case Study Development of Year Round Hazardous Waste Facility	Patricia	Saritha	Andy	Kimberly
6	Irene Ogata	Tucson	Urban Landscape Manager	Apply Business Case Evaluator to Scott Avenue or Blue Moon	Shari	Van		Andy
7	Steve Olmstead	ADOT	Environmental Planning Group	Re-Design of Transportation Corridor	Kayce	Jeanette		Andy
8	Mara DeFilippis	Walton Initiatives	Project Manager	Project 1: National/international best practices on feedstock regionalization and consolidation	Patricia	Tomasz		Kimberly
9	Mara DeFilippis	Walton Initiatives	Project Manager	Project 2: Best practices increased diversion and decreased contamination	Tamsin	Saritha		Tomasz
10	Mara DeFilippis	Walton Initiatives	Project Manager	Project 3: Financial impacts of regional feedstock aggregation and circular economy	Kimberly	Haley		Tomasz
11	Mara DeFilippis	Walton Initiatives	Project Manager	Project 6: Financial impacts of energy-use disclosure ordinances	Kimberly	Shari		Tomasz
12	Gretchen Erwin	Goodyear	Water Resources Planning Advisor	Wetland Waste Water Treatment	Tamsin	Chris		Saritha
13	Harry Cooper	Maricopa County	Landscape Architect, Planner	Flood Management	Wayne	Chris		Saritha
14	Jeffery Schone	Luke AFB	56 CES/CEIE	Water Remediation Study	Wayne	Jeanette	Ben	Saritha

Sheet1

# 13 projects as deliverables

- \* Cities (6); county (1); federal & state agency (2), and Walton Sustainable Solutions Initiatives & cities (4)
- \* <https://sustainablecities.asu.edu/resources/student-resources/>