

## **Existing Courses (and solutions) on Sustainability in CE3SAR institutions**

### **Texas A&M—University of Corpus Christi**

- ESCI 4330 - Oil Spill Prevention and Response (3 hrs.)
- ESCI 5330 - Oil Spill Management (3 hrs.)
- CMSS 6372 - Environmental Sustainability Economics (3 hrs.)

### **Texas A&M University—Kingsville**

*Certificates in Sustainability (undergraduate) and Minor in Sustainability* program are under developing and expected date is 2014. The courses will be offered at the following colleges:

- Dick and Mary Lewis Kleberg College of Agriculture, Natural Resources and Human Sciences
- College of Arts and Sciences
- College of Business Administration
- College of Education and Human Performance
- Frank H. Dotterweich College of Engineering

### **Texas A&M International University**

- ENSC 1301 (ENVR 1301) Introduction to Environmental Systems
- ENSC 3401 Environmental Sciences
- ENSC 1101 (ENVR 1101) Introduction to Environmental Systems Laboratory

### **University of Texas-Brownsville**

- ENVR 3334 Conservation of Natural Resources
- ENVR 1101 Introduction to Environmental Science Laboratory
- ENVR 1301 Introduction to Environmental Science

### **University of Texas-Pan American**

- BIOL 2406 Environmental Biology [3-3]
- SCIE 4350 Local and Global Environmental Science [2-3]

## **Texas State University—San Marcos**

### ***Sustainability Program (graduate)***

The student must complete courses from three Colleges and four Departments, for a total of 39 hours of coursework. Of the 39 hours, a maximum of 15 hours of coursework must be taken from a “home” department, and at least six hours of coursework from two other departments.

#### **COLLEGE OF SCIENCE**

##### **BIOLOGY**

- BIO 5304 Wildlife and Recreation: Impact and Management
- BIO 5347 Conservation Biology
- BIO 5361 Biology of Water Pollution
- BIO 5362 Environmental Impact Analysis
- BIO 5481 Internship in Biological Laboratory Technologies
- BIO 7103A Ecology and Society
- BIO 7310 Global Aquatic Resources
- BIO 7312 Government Policy and Aquatic Resources
- BIO 7348 Aquatic Resources Economics
- BIO 7350 Aquatic Resources Law
- BIO 7360B Environmental Linkages
- BIO 7360U Sustainability in a Changing World
- BIO 7412 Environmental Hydrology
- BIO 7366 Integrated Water Resources Management

#### **COLLEGE OF LIBERAL ARTS**

##### **GEOGRAPHY**

- GEO 5313 Environmental Management
- GEO 5314 Geographic Elements of Environmental Law
- GEO 5322 Interpretive Environmental Geography
- GEO 5334 Applied Water Resources
- GEO 5339 The Geography of Land Management
- GEO 5415 Geographic Applications of Remote Sensing
- GEO 5418 GIS I Geographic Information Systems I
- GEO 7314 Environmental Geography of Resource Development
- GEO 7305 Historical Geography of the American Environment

## **PHILOSOPHY**

- PHIL 5323 Environmental Ethics
- PHIL 5303 Philosophy of Technology
- PHIL 5322 Professional Ethics
- PHIL 7323 Environmental Ethics and Sustainable Aquatic Resources
- PHIL 5388 Problems in Philosophy

## **POLITICAL SCIENCE**

- POSI 5333 Ecology and the Politics of Scarcity
- POSI 7330 Environmental Policy, Politics, and Law
- POSI 7320 Research Practicum
- POSI 7310 Resolution of Disputes Involving Aquatic Resources

## **SOCIOLOGY**

- SOCI 5368 Seminar in Environmental Sociology
- SOCI 5390 Seminar in Globalization and Development
- SOCI 5388C (Special Topics) Seminar in Food and Society

## **MCCOY COLLEGE OF BUSINESS ADMINISTRATION**

- BLAW 5368B Law and Ethics in the Business Environment
- BLAW 5368C The Employment Relationship
- BLAW 5368H Legal Issues on Sustainability and Responsibility
- MGT 5312. Seminar in Management
- MGT 5335 New Venture Launch
- MGT 5315 New Venture Management
- MGT 5330 Seminar in Human Resource Management

## **COLLEGE OF FINE ARTS AND COMMUNICATION**

### **COMMUNICATION DESIGN**

- ARTC 5360E Sustainable Package Design

**Texas A&M-College Station**

***Sustainable Urbanism Certificate***

Sustainable Urbanism Certificate that consists of a series of courses that are open to students from any graduate program at Texas A&M University.

### **Principles--History and Theory**

- PLAN 610: Structure and Function of Cities
- ARCH 624: Theory of Placemaking
- PLAN 689: Concepts in Ecological Design and Planning (Ndubisi)
- LDEV 667: Development Process
- CVEN 689: Sustainable Systems in Civil Engineering (Brumbelow)
- RPTS 626: Sociable Impacts of Tourism
- RPTS 646: Heritate Tourism
- COSC 663: Sustainable Construction

### **Practices--Methods and Skills**

- ARCH 689/310: Site Planning and Design
- ARCH/PLAN 689: Design and Healthy Living (Zhu/Lee)
- ARCH 621: Sustainable Systems
- LDEV 671: Sustainable Development
- PLAN 642: Planning for Coastal Resilience
- LAND 612: Site Development
- PLAN 629: Neighborhood Revitalization
- LAND 689: Storm Water Management (Li)
- COSC 662: Housing Production
- CVEN 664: Water Resources Planning and Management

### **Policies--Analysis and Evaluation**

- ARCH 646: Theory and Practive of Historic Preservation
- PLAN 669: Urban Infrastructure Planning
- PLAN 673: Design of Sustainable Transportation
- PLAN 641: Environmental Planning

## **Southwest Research Institute**

### ***Sustainability Solutions***

Southwest Research Institute does not offer courses on sustainability but provide sustainability solutions. Smart material and energy management saves money, helps the environment and is good for business. We offer a variety of solutions to meet your specific goals:

- ISO14001 Environmental Management
- ISO50001 Energy Management
- E3: Economy • Energy • Environment
- Energy Assessments
- Predominant Use Studies

## **Sustainability Programs at Several Non-CE3SAR Institutions**

### **Auburn University**

**Minor in Sustainability Studies:**

[http://www.auburn.edu/academic/provost/undergrad\\_studies/academic\\_sustainability/student\\_minor.html](http://www.auburn.edu/academic/provost/undergrad_studies/academic_sustainability/student_minor.html)

### **New York University**

**Sustainability Center:**

<http://www.nyu.edu/sustainability/academics.research/programs.centers.php>

### **University of Idaho**

**Sustainability in the UI Curriculum:**

<http://www.uidaho.edu/cogs/envs/sustainability/sustainabilitycoursesatui>

### **University of California-anta Barbara:**

**Sustainability initiative:**

<http://www.sustainability.ucsb.edu/academic-senate-sustainability-work-group/academics-courses/>

### **The University of Vermont**

**Advanced Certificate in Campus Sustainable Innovation 100% Online:**

[http://lp.universityofvermontonline.com/all/prestige/cert-mas\\_vermontcampus\\_t08\\_1111.aspx](http://lp.universityofvermontonline.com/all/prestige/cert-mas_vermontcampus_t08_1111.aspx)

**Three 8-weeks courses:**

- Principles & strategies for campus sustainability;
- Sustainable Campus Operation;
- Campus Sustainability Best Practice & Implementation