

The University of Texas Rio Grande Valley

INFUSING EDUCATION FOR SUSTAINABLE DEVELOPMENT INTO UNIVERSITY ACADEMICS, RESEARCH AND ENGAGEMENT

5th Annual TRACS Summit 2017



Texas Regional Alliance for Campus Sustainability



PRESENTERS



Dr. Amy M. Hay
Associate Professor of History
UTRGV College of Liberal Arts



Marianella Franklin, Assoc. AIA, LEED AP
Chief of Sustainability
UTRGV Office for Sustainability



Abraham Navarro
Student Intern
UTRGV Office for Sustainability

EDUCATION FOR SUSTAINABLE
DEVELOPMENT



English 1302

MECE 4360

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INTRODUCTION

Integrating Sustainability into a course requires **adapting both content and pedagogy** to create a learning experience that is more interdisciplinary, experiential and focused on authentic problem solving.



GUIDING PRINCIPLES

Build recognition of the urgent environmental challenges and connected economic and social dimensions, including opportunities and positive consequences that may flow from addressing these challenges;

Bring together a broad range of interdisciplinary expertise;

Develop a spirit of interdisciplinary cooperation based on an openness to working across traditional disciplines and welcome dialogue around problem orientation;

Help faculty explore the shift in pedagogy from a paradigm of teacher as expert to teacher as facilitator of learning, becoming co-learners with students and with each other;

Offer policies; opportunities to combine professional research skills with ethical reflection, personal responsibility, and action, raising questions about daily life habits as well as long-term institutional policies;

Ground the learning experience of the faculty (and through them, their students) in awareness of place, of the specific bioregion of which the university is part, to build concrete arenas of understanding and meaningful experiences that support motivation.



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SUSTAINABILITY ACADEMIC ADVISORY COMMITTEE



Dr. Amy Hay

*Associate Professor of History and Philosophy
College of Liberal Arts, UTRGV*



Mr. Joe M. Garza, Jr. MBA,

*Director of Business Engagement
Robert C. Vackar College of
Business & Entrepreneurship, UTRGV*



Dr. Jude Benavidez

*Associate Professor of Hydrology, and Water Resources,
College of Science, Mathematics, and Technology,
UTRGV*



Dr. Virgil Pierce

*Associate Professor, Associate Dean
College of Science and Mathematics, UTRGV*



Dr. Jennie Johnson

*Associate Professor of Management
School of Business, UTRGV*



Dr. Angel Saavedra Cisneros

*SAAC Chair, Assistant Professor of Political Science
College of Social and Behavioral Studies, UTRGV*



Ms. Marianella Q. Franklin

Chief Sustainability Officer, UTRGV



Ms. Veronica Solis

Graduate Research Assistant UTRGV

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PROJECT SIN FRONTERAS/ PROJECT WITHOUT BORDERS



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SUSTAINABLE DEVELOPMENT GOALS



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INSTRUCTIONAL COACH



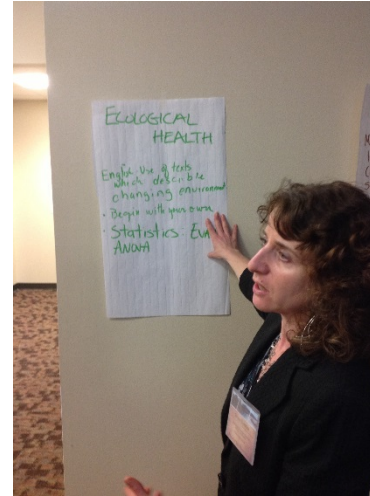
Susan Santone,
Founder and Executive Director



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OBJECTIVE

- Develop a trans-disciplinary framing of sustainability relevant to their discipline.
- Re-design an existing or planned syllabus using a guided hands on process



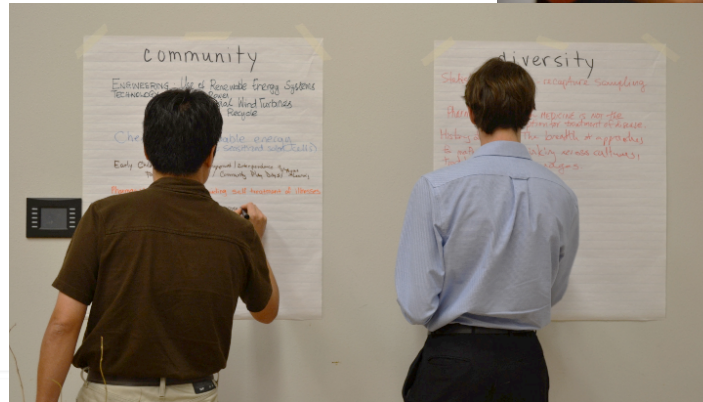
METHODOLOGY

- Using sustainability concepts as overlays to reorient content
- Define trans-disciplinary outcomes
- Develop experiential instructional approaches
- Create a course sequence that unfolds as a narrative, bringing learners through a process of engagement, deep inquiry, decision-making and positive action.
- Apply a backwards design process to align outcomes, instruction and assessment.



SUSTAINABILITY FRAMING

- Hands-on activities that provide participants with an understanding of key concepts
- Participants develop a definition of sustainability relevant to their discipline.

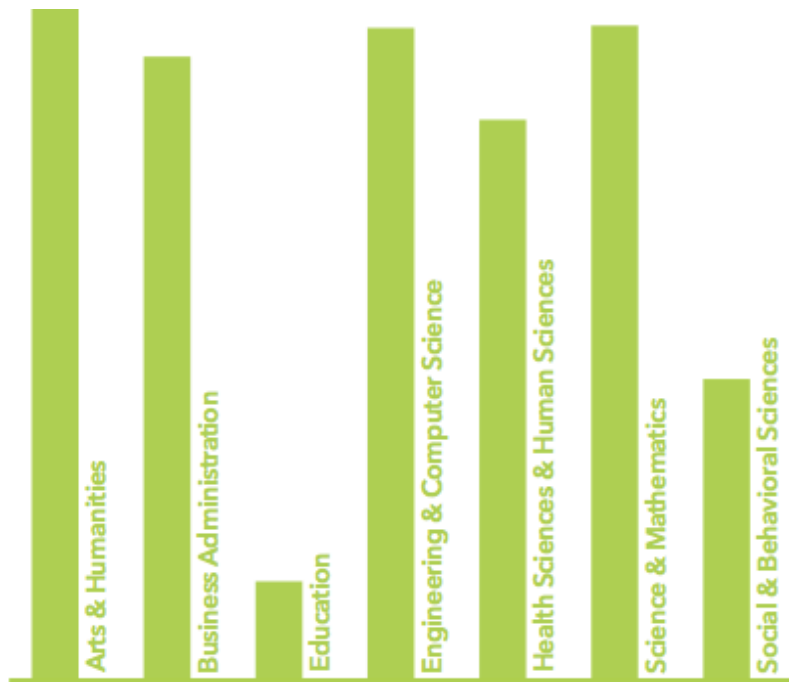


INSTRUCTIONAL DESIGN

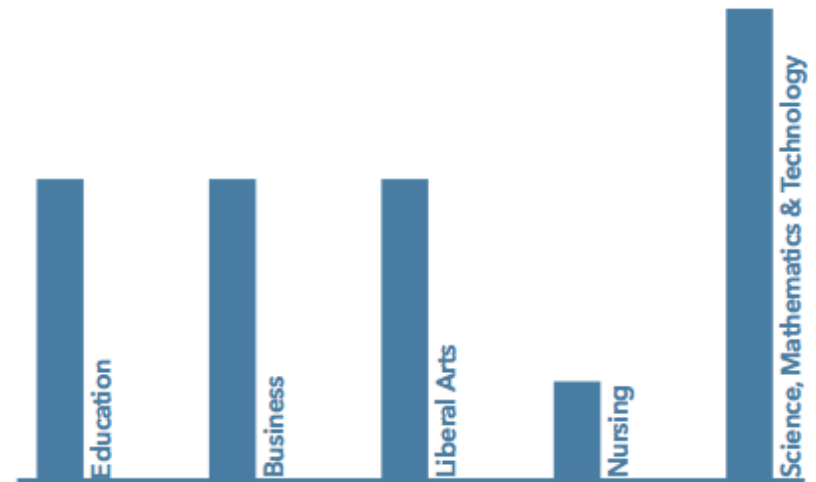
- Identifying Concepts
- Generating Guiding Questions
- Generating Learning Outcomes
- Sequencing Learning Outcomes (Experiential activities)
- Defining Assessments and Activities
- Aligning Instruction



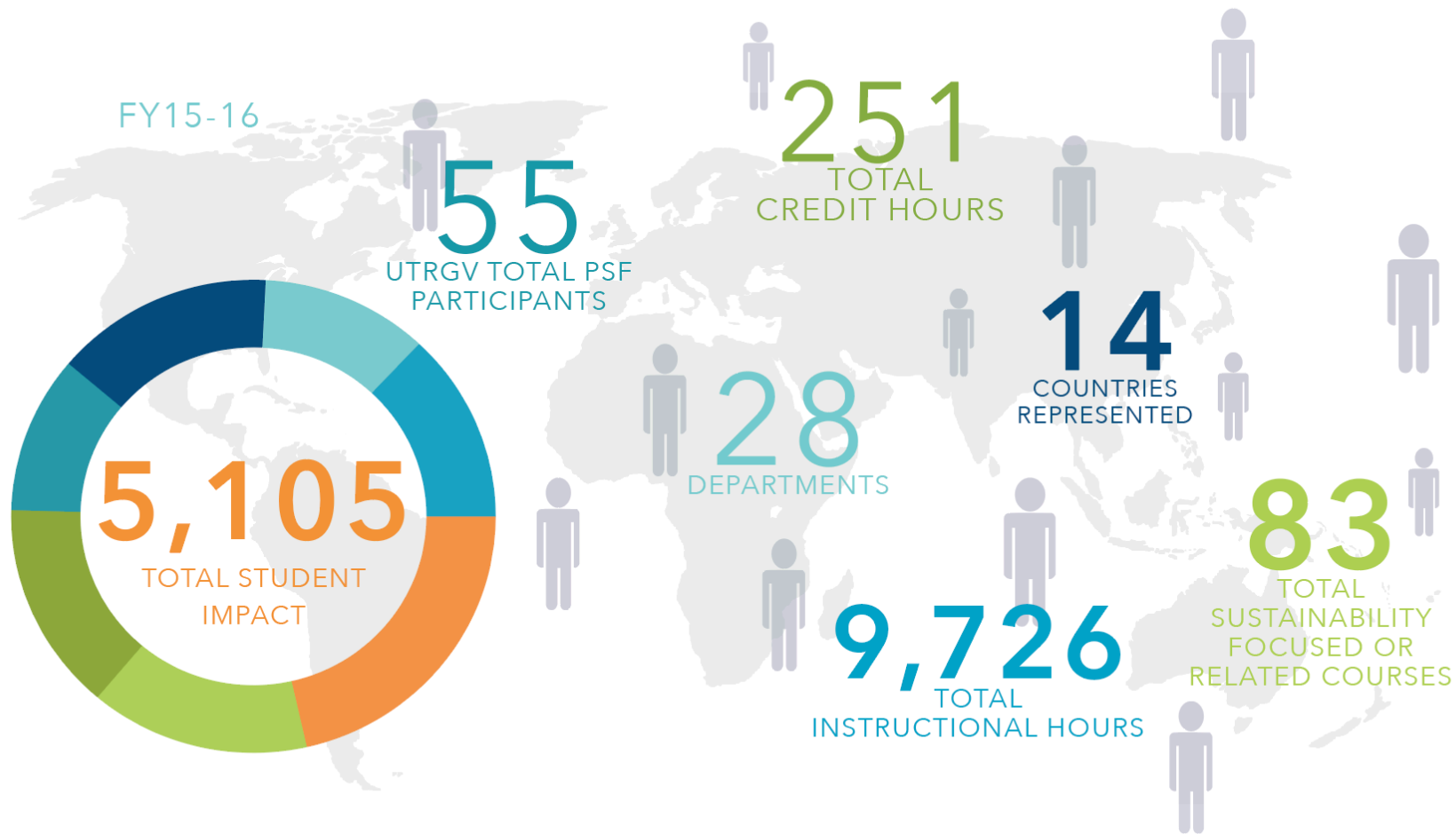
INTERDISCIPLINARY PARTICIPATION



UTRGV Edinburg Campus



UTRGV Brownsville Campus



The University of Texas Rio Grande Valley

PSF ANNUAL AWARDS BANQUET

PROJECT SIN FRONTERAS

Annual Awards Banquet

6:00 PM
COCKTAIL RECEPTION
7:00 PM
DINNER IS SERVED

WELCOME AND INTRODUCTIONS

Dr. Havidán Rodríguez, UTRGV Provost and EVP for Academic Affairs

GUEST SPEAKERS

Mr. Barry Patel, Mayor, City of South Padre Island
Owner, Embassy Suites by Hilton McAllen Convention Center
Dr. Denise Wardrop, Senior Scientist and Professor of Geography and Ecology,
Director, Penn State University, Sustainability Institute

8:00 PM
AWARD ADDRESS

Dr. Havidán Rodríguez, UTRGV Provost and EVP for Academic Affairs
Ms. Mariacella Franklin, UTRGV Chief Sustainability Officer

Ms. Maria Leonard
Dr. Mohammed Jasim Uddin
Dr. Immanuel Chibirogwe
Dr. Owen Tenby
Dr. Allen Pineda

8:45 PM
CLOSING REMARKS
Mr. Tony Fortina, Master of Ceremonies,
UTRGV Athletics Sales and Broadcast Specialist



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UTRGV 2016 EXCELLENCE IN EDUCATION FOR SUSTAINABILITY DEVELOPMENT



Dr. Alexis Racelis,
Assistant Professor
Department of Biology,
College of the Sciences

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2016 HONOREE



Ms. Maria Leonard, Lecturer, Department
of Management,
Robert C. Vackar College of
Business & Entrepreneurship

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2016 HONOREE



Dr. Immanuel Edinbarough, Professor,
Department of Manufacturing and
Industrial Engineering
India Universities

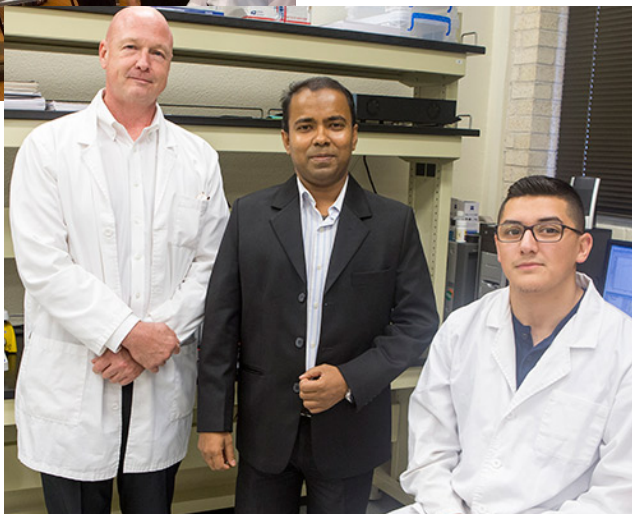
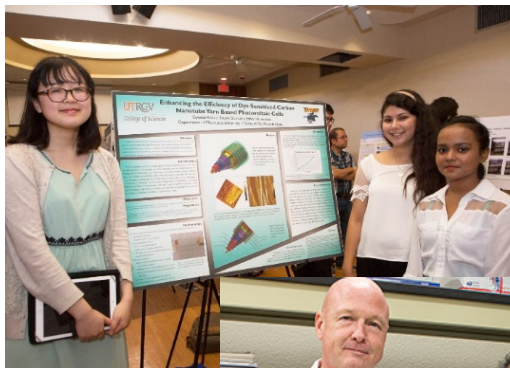
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2016 HONOREE



Dr. Mohammed Jasim Uddin,
Assistant Professor
Department of Chemistry
University of Turin

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2016 HONOREE



Dr. Owen Temby,
Assistant Professor
Department of Political Science
Carleton University

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[PSF Hyperlink](#)

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SAVE THE DATE

INTERNATIONAL CENTER FOR SUSTAINABLE ACROSS THE CURRICULUM

ICSAC

The University of Texas
Rio Grande Valley

SUSTAINABILITY IN THE CURRICULUM
FACULTY PROFESSIONAL DEVELOPMENT CONFERENCE

May 19-20, 2017 8AM-5PM

Embassy Suites by Hilton
McAllen Convention Center
800 Convention Center Blvd,
McAllen, TX 78501

Contact: sustainability@utrgv.edu (956) 665-3030



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THANK YOU !



Marianella Q. Franklin, Assoc. AIA, LEED AP

The University Of Texas Rio Grande Valley

Chief Sustainability Officer

Division of Finance & Administration

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