

CEE 1326 Introduction to Global Development

Instructor: Andrew Quicksall, Ph.D.

Office: Embrey Bldg, Room 203B
e-mail: aquicksall@smu.edu
Phone: 214.768.3252
Fax: 214.768.2164

Catalog Course Description

This course employs an interdisciplinary approach in addressing issues of international development. The role and impact of economic, socio-political, and scientific principles on issues of the developing world will be explored. Lectures will focus on the historical underpinning of current trends, theory and practice of multidisciplinary development, modern issues facing the developing world and potential courses of action.

Prerequisites

None.

Textbook and Other Related Material

Multiple primary sources may be used and will be provided by the instructor and/or put on reserve for student use.

Though the texts and other materials will prove invaluable for this course and future endeavors, the primary resource for students should be their lecture notes. These are based on the text and other readings but will both exclude some information from the texts and include some information and synthesis not found in the texts.

Course Learning Outcomes/ Expected Performance Criteria

The course is designed to provide students the basic introduction to the multidisciplinary field of global development. It will cover and therefore prepare students for further study in the areas of environmental resource use, socio-cultural and political issues, and technology and innovation as they apply to the discipline.

Course Requirements are:

Three Lecture Exams	45%
Cumulative Final Exam	30%
Research Project/Paper	25%

Class/Laboratory Schedule

TBD

Relationship of Course to Program Outcomes

Having expertise in numerous fields is challenging if not impossible. Having facility in various inter-related disciplines is, however, a prerequisite to address certain complex, multidisciplinary problems. Modern global development is a field that is ripe with such problems. Growing the global economy while sustainably utilizing resources in an effort to alleviate global poverty is a challenging and multifaceted suite of smaller problems. This course is meant as an introduction to the complexities of this discipline. It will expose students to the interdependencies of the various fields and begin to delve into topics not otherwise available to most students. Specific emphasis will be placed on:

Outcome (H) The broad education necessary to understand the impact of engineering solutions in a global economic, environmental, and societal context

Outcome (J) A knowledge of contemporary issues

Topics Covered in Lecture

- Day 1: History of Global Development
Political Structures in Global Development
- Day 2: Markets, Barriers, and Financing
Social Financing and Microfinance
- Day 3: Cultural Issues in Development
Modern Cultural and Socio-Economic Landscape
- Day 4: Planning and Design Concerns for the Developing World
Technology and Innovation in GD
- Day 5: Low-Cost or Frugal Engineering
Resources in the Developing World: Water, Sanitation and Food
- Day 6: Resources in the Developing World: Energy, Shelter and Land
Environmental Impacts
- Day 7: Case Studies
- **Day 8:** Projects Due /**Final Exam**

Reading

TBD
TBD
TBD
TBD
TBD
TBD
TBD
TBD
TBD

Prepared by: Andrew Quicksall

Date: 9/21/2016

Disability Accommodations: Students needing academic accommodations for a disability must first contact Ms. Rebecca Marin, Coordinator, Services for Students with Disabilities (214-768-4557) to verify the disability and establish eligibility for accommodations. They should then schedule an appointment with the professor to make appropriate arrangements. (See University Policy No. 2.4.)

Religious Observance: Religiously observant students wishing to be absent on holidays that require missing class should notify their professors in writing at the beginning of the semester, and should discuss with them, in advance, acceptable ways of making up any work missed because of the absence. (See University Policy No. 1.9.)

Excused Absences for University Extracurricular Activities: Students participating in an officially sanctioned, scheduled University extracurricular activity will be given the opportunity to make up class assignments or other graded assignments missed as a result of their participation. It is the responsibility of the student to make arrangements with the instructor prior to any missed scheduled examination or other missed assignment for making up the work. (University Undergraduate Catalogue)