



# **BEE 3299**

# **SUSTAINABLE DEVELOPMENT**


COURSE INTRODUCTION

1/21/2015





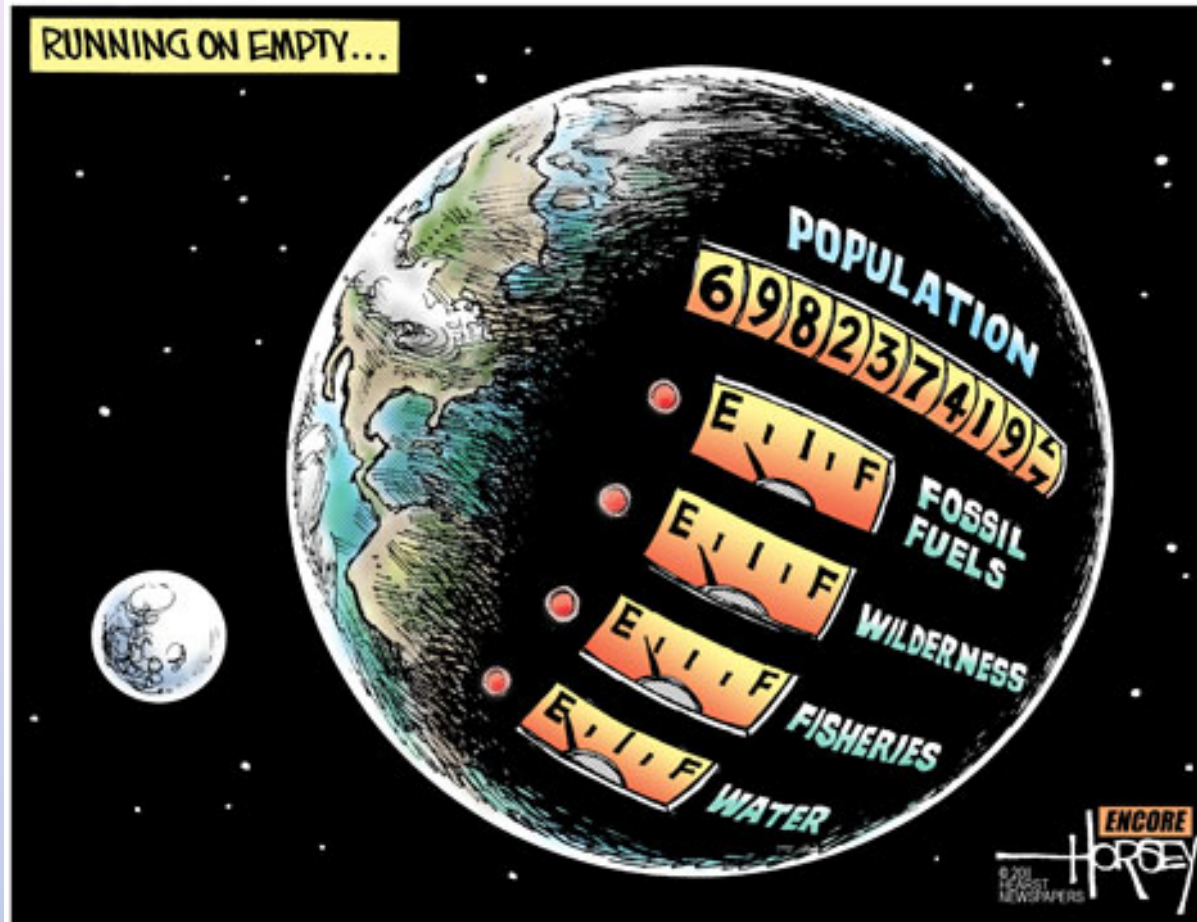
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- 

# INTRODUCTIONS

- COURSE STAFF
  - PROFESSOR MICHAEL WALTER ([MFW2@CORNELL.EDU](mailto:MFW2@CORNELL.EDU))
  - ALLISON TRUHLAR ([AMT94@CORNELL.EDU](mailto:AMT94@CORNELL.EDU))
  - 34 TEACHING ASSISTANTS (ALL PAST STUDENTS)





Introductions

Why is this  
course taught

Importance  
of systems  
thinking

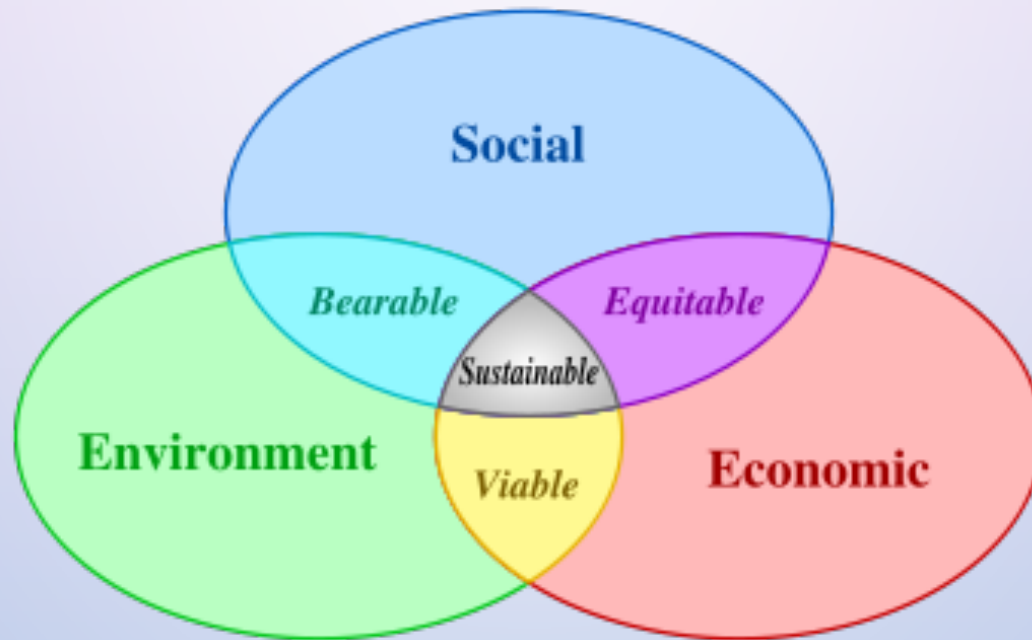
Course  
material

Expectations  
& Assessment

Getting  
started

Questions

# “SYSTEMS THINKING”



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# COURSE MATERIAL: ACCESS

- ENTIRELY ONLINE
- ACCESS VIA BLACKBOARD (BLACKBOARD.CORNELL.EDU)
- ENROLLMENT REQUESTS PROCESSED A FEW TIMES A DAY
- LIBRARY PASSKEY WILL HELP YOU ACCESS MATERIALS WHEN YOU ARE OFF-CAMPUS



# COURSE TOPICS

- **LESSON 1: INTRODUCTION TO SUSTAINABLE DEVELOPMENT**

- **LESSON 2: ECOSYSTEMS**

- **LESSON 3: CLIMATE CHANGE**

- **LESSON 4: SYSTEMS THEORY**

- **LESSON 5: BIODIVERSITY**

- **LESSON 6: ENERGY SYSTEMS**

- **LESSON 7: LIFE CYCLE ANALYSIS**

- **LESSON 8: ECOLOGICAL FOOTPRINT**

- **LESSON 9: ECONOMIC SYSTEMS**

- **LESSON 10: FOOD SYSTEMS**

- **LESSON 11: INDUSTRIAL ECOLOGY**

- **LESSON 12: SUSTAINABLE COMMUNITIES**

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# EXPECTATIONS

- ADHERENCE TO CODE OF ACADEMIC INTEGRITY
- PARTICIPATION IN ALL CLASS ASSIGNMENTS, CHATS, DEBATES, FORUMS, PROJECTS
- KEEPING UP TO DATE WITH CURRENT SUSTAINABLE DEVELOPMENT NEWS AND EVENTS





# ASSESSMENTS

- WEEKLY (USUALLY 50 PTS EACH):
  - FORUMS (KNOWN AS “DISCUSSION BOARDS” ON BLACKBOARD)
  - ASSIGNMENTS
- FOUR TIMES DURING SEMESTER:
  - CHAT SESSIONS (25 PTS EACH)
- MIDTERM PROJECT (INDIVIDUAL, 100 PTS)
- FINAL PROJECT (TEAMS, 200 PTS)



# WEEKLY ASSIGNMENTS/FORUMS

- FIND THEM IN EACH LESSON FOLDER
- INSTRUCTIONS ARE SELF-EXPLANATORY. FORUM POSTINGS MAY REQUIRE YOU TO RESPOND TO OTHERS' POSTS (WILL BE NOTED IN THE ASSIGNMENT IF THIS IS NEEDED)
- WEEKLY TASKS ARE USUALLY DUE **SUNDAYS AT 11:59:59 PM**
- LATE PENALTY: REDUCTION OF **25%** OF WHAT YOU WOULD HAVE RECEIVED **PER DAY THAT THE ASSIGNMENT IS LATE**. THEREFORE, AFTER WEDNESDAY AT 11:59 PM, WE WILL NO LONGER ACCEPT SUBMISSIONS FOR CREDIT



# CHATS

- YOU WILL RECEIVE AN EMAIL SOON ABOUT CHAT TIMINGS.  
**PLEASE RESPOND PROMPTLY.**
- CHATS HELD **FOUR TIMES DURING THE SEMESTER**, 50 MINUTES EACH
- THERE ARE NINE DAY (M/T/W) AND TIME (7/8/9 PM ) COMBINATIONS: YOU WILL CHOOSE **ONE** FOR ALL FOUR CHATS
- 25 POINTS FOR **ACTIVE** PARTICIPATION



# COURSE MIDTERM PROJECT

- MIDTERM PROJECT (REQUIREMENTS FOR LAST YEAR)
  - INDIVIDUAL PROJECT
  - COMPREHENSIVE SYSTEM ANALYSIS
  - USE A DATA SET (I.E. ENERGY USAGE, GARBAGE OUT PUT, COSTS)
  - WHAT ARE THE CURRENT ENVIRONMENTAL, SOCIAL AND ECONOMIC IMPACTS OF THE SYSTEM
  - PRESENT FINDINGS USING ONLINE COLLABORATIVE TOOL: (BLACKBOARD WIKIS, GOOGLE SITES, CONFLUENCE)



# COURSE FINAL PROJECT

- FINAL (REQUIREMENTS FOR LAST YEAR)
  - GROUP PROJECT
  - DEVELOP A SUSTAINABILITY ACTION PLAN
  - INSTRUCTORS WILL DETERMINE PROJECT SCOPE.
  - USE A DATA SET (I.E. ENERGY USAGE, GARBAGE OUT PUT, COSTS)
  - WHAT ARE THE POTENTIAL ENVIRONMENTAL, SOCIAL AND ECONOMIC IMPACTS OF THE SYSTEM
  - PRESENT FINDINGS USING ONLINE COLLABORATIVE TOOL: (GOOGLE SITES, CONFLUENCE)



# GETTING STARTED

- CHECK IF YOU HAVE ACCESS TO THE COURSE ON BLACKBOARD (CONTACT US RIGHT AWAY IF YOU HAVE TROUBLE)
- CHECK ANNOUNCEMENTS PAGE (**REGULARLY THROUGH THE SEMESTER**)
- CHECK THE SCHEDULE (BUT RELY ON DUE DATES POSTED ON ASSIGNMENTS)
- READ THE WELCOME NOTE AND LESSONS 0 AND 1 (UNDER LESSONS)
- LESSON 0 FORUM POSTING DUE **FRIDAY, 1/23**
- LESSON 1 FORUM POSTING DUE **SUNDAY, 1/25**
- GET PASSKEY FOR OFF-CAMPUS ACCESS TO MATERIALS
- ENJOY THE COURSE!



# QUESTIONS???

