

Course Syllabus

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Classroom time 8:30a-9:45a TR, NWC 5600.

There is no textbook. But links will be given to references relevant to the exercises.

The exercises are also the study guide and syllabus for the Tests and Final Exam.

Times for official Office Hours will be negotiated.

There are 2 schemes by which your final letter grade can be computed:

Scheme #1:

- Test 1: Thursday 2/9 20%
- Test 2: Thursday 3/9 20%
- Test 3: Thursday 4/13 20%
- Final Exam: Thursday 5/11 10:30-12:30 30%
- Participation Points: 10%

Scheme #2: Final Exam: Thursday 5/11 10:30-12:30 100%

Grade thresholds: Your final letter grade is computed from the total score $t = \max(\text{Scheme \#1}, \text{Scheme \#2})$ as:

- A: $t \geq 80$.
- B: $65 \leq t < 80$.
- C: $50 \leq t < 65$.
- D: $35 \leq t < 50$.
- F: $t < 35$.

Topics

- The greatest scientific principle: Conservation of Energy and Energy Transformations
- resources for human civilization
- The carbon cycle of Planet Earth
- The greenhouse effect and global warming
- The global warming forecast
- "climate change" past, present, and future
- solar energy
- wind energy
- biofuels
- other energy sources
- economics of energy sources under environmental constraints












Mandated syllabus statements

Go here [for mandated syllabus statements \(http://www.ou.edu/content/dam/provost/documents/University-Policies-Regarding-Instruction.pdf\)](http://www.ou.edu/content/dam/provost/documents/University-Policies-Regarding-Instruction.pdf)

Assignments Summary:

Date

Details

Date	Details	
Tue Jan 17, 2017	 METR 4553 begins (https://canvas.ou.edu/calendar?event_id=48246&include_contexts=course_40041)	8:30am to 9:45am
Thu Feb 9, 2017	 METR 4553 Test 1 (https://canvas.ou.edu/calendar?event_id=48247&include_contexts=course_40041)	8:30am to 9:45am
	 Test 1 (https://canvas.ou.edu/courses/40041/assignments/326043)	due by 11:59pm
Thu Mar 9, 2017	 METR 4553 Test 2 (https://canvas.ou.edu/calendar?event_id=48248&include_contexts=course_40041)	8:30am to 9:45am
	 Test 2 (https://canvas.ou.edu/courses/40041/assignments/326042)	due by 11:59pm
Thu Apr 13, 2017	 METR 4553 Test 3 (https://canvas.ou.edu/calendar?event_id=48249&include_contexts=course_40041)	8:45am to 9:30am
	 Test 3 (https://canvas.ou.edu/courses/40041/assignments/326040)	due by 11:59pm
Thu May 4, 2017	 Last Day of class (https://canvas.ou.edu/calendar?event_id=48251&include_contexts=course_40041)	12am
Fri May 5, 2017	 Participation Points (https://canvas.ou.edu/courses/40041/assignments/326044)	due by 11:59pm
Thu May 11, 2017	 METR 4553 Final Exam (https://canvas.ou.edu/calendar?event_id=48250&include_contexts=course_40041)	10:30am to 12:30pm
	 Final Exam (https://canvas.ou.edu/courses/40041/assignments/326041)	due by 11:59pm