

<http://scoconno.github.io/Teaching/Time>

# Time

Dr. Scott O'Connor

Office hours: <http://scoconno.github.io/Contact/Office/>

1/19/2016–5/9/2016

## Copyright

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## Course Description

We are temporal creatures. We structure our lives around a sense of our history, of what we were in the past, and what we hope to be in the future. Our societies are also essentially temporal. Political, economic, and cultural institutions value certain units of time over others. Work weeks must not exceed a certain length. Elections must happen on certain fixed dates. The measuring of time is both essential to us and the societies we live in. But what exactly is it that we are measuring?

In this course, we will examine the nature of time and how we as creatures exist in time. We begin by briefly discussing the history of time-measurement and various struggles peoples have encountered in measuring it. We then move to discuss the nature of time. Could time stop? Does it have a beginning and end? Does the future exist already? Does time exist at all? After the spring break, we will discuss what it is for humans to exist in time. How do we perceive time? Do we have free-will? How do we survive time? Might we be able to time-travel?

You will also have the opportunity to identify some question about time that interests you and explore it throughout the semester. This question can be one raised in your own major, minor, or other subject of interest, and need not have been raised by the assigned readings.

### Learning Objectives

Upon completing this course, students will be able to (i) find the argument of a text and clearly restate it, (ii) clearly and charitably explain viewpoints that are not their own, (iii) think critically, (iv) write well-structured prose in which they clearly state a thesis and persuasively defend it, (v) demonstrate a substantive grasp of how time is an important topic of study in several distinct disciplines.

### Reading

#### Required

Available in the campus book store and online retailers. All other readings will be distributed on the course website.

- [Robin LePoidevin, 'Travels in Four-Dimensions: The Enigmas of Space and Time', OUP, 2005 \(TRAVELS\)](#)

#### Optional

Students who wish to improve their writing might wish to purchase and work through the 10 lessons contained in the following:

- ['Style: Lessons in Clarity and Grace', Joseph Williams and Joseph Bizup](#)

### Course Website

There is both a Blackboard site and website for this course (link on first page). Clicking the first link on the left panel within the Blackboard site will bring you to the course website. All assignments will be submitted through Blackboard. Readings, notes, etc. will be posted on the course website. Note that Blackboard difficulties are rare and automatically reported to instructors. Under no circumstance will a student's report of a Blackboard difficulty be reason for an extension. It is your responsibility to contact Blackboard support for help.

### Honors Information

An Honors student who receives an F for an Honors course will be dismissed from the program at the discretion of the HPC.

## Requirements

- *Workload:* Expect to spend an average of 5–6 hours per week completing the readings and assignments.
- *Course evaluations* completed online. 5 points extra credit for successful completion.
- *Attendance:* Roll call will be taken. 0.5 point will be awarded per class up to a maximum of 10 points. Points will not be awarded during weeks 1 & 2.
- *Reading:* You are required to prepare the assigned readings before class. This will be determined through discussion, pop quizzes, and reading responses. You begin with 10 points. You lose 2 points for every class you come to unprepared. No extra credit will be offered to make up lost points in this category.
- *Short essays* submitted through Blackboard. 250–500 words long. 5 will be assigned. You must complete 4. If you complete more than 4, the lowest grade will be dropped.
- *1 final project* comprising a proposal, 1 progress report (750–1000 words), short presentation, and written submission (2000–2500 words.)
- *Grade Distribution:* Attendance–0.5 point per class (10 total); Reading–10 points; 4 short Essays—10 points each (40 total); 1 final project–10 points for the proposal, 10 point for the literature review, 10 points for the presentation, 10 points for the final submission (40 points total).

- *Grade Breakdown:*

96–100	A		77–79	C+
90–95	A-		73–76	C
87–89	B+		70–72	C-
83–86	B		60–69	D
80–82	B -		0–59	F

## Policies

- **Student Responsibility:** This syllabus outlines the required text, assignments, requirements, and policies for this course. By taking this course, you agree to read this syllabus and be bound by those requirements and policies.
- *Academic Integrity:* All the work you turn in (including papers, drafts, and discussion board posts) must be written by you specifically for this course. It must originate with you in form and content with all contributory sources fully and specifically acknowledged. Being a student at NJCU requires you to follow [NJCU's Academic Integrity Policy](#). Penalties for violations are as follows: 1st infraction will result in a 0 for the assignment. 2nd infraction will result in a 0 for the entire course & application for permanent record on student's transcript. (Repeated violations can lead to expulsion from NJCU).

- *Attendance:* You are considered absent if you are (i) not present during roll call, (ii) leave early, (iii) leave without permission, or (iv) leave for an extended period of time. No excuses. No exceptions.
- *Communication:* To comply with Federal Privacy Laws (FERPA) and NJCU policies, all communication will be through Blackboard and/or official NJCU e-mail. Check both your NJCU e-mail and Blackboard daily. For further information see <http://scoconno.github.io/Contact/>.
- *Conduct:* Distracting and disrespectful behaviors, including but not limited to eating, leaving your seat, talking out of turn, and aggression are prohibited. Penalties include, but are not limited to, a loss of attendance points for the day of violation. Repeat offenders will be reported to the Dean of Students.
- *Electronic devices:* Use of electronic device, including, but not limited, to smartphones, dictaphones, tablets, and laptops, is prohibited. Recording a lecture is in violation of Copyright. Penalties include, but are not limited to, a loss of attendance points for the day of violation. Repeat offenders will be reported to the Dean of Students.
- *Format for Written Work:* Submit work to Blackboard either as a rich text or Microsoft Word file. All work must be typed. Your papers should be in 12-point Times New Roman font, double-spaced with margins set to one inch on all sides. If hard copies are requested, please staple or paperclip copies of papers and drafts.
- *Grading:* Grades will be available within 1–2 weeks of an assignment being submitted. See: <http://scoconno.github.io/Teaching/Grading> for further information.
- *Late work & Make-up Policy:* See the assignment schedule below. No make-ups or late work accepted under any circumstances. No exceptions.
- *Statement for students with disabilities:* If you are a student with a disability and wish to receive consideration for reasonable accommodations, please register with the Office of Specialized Services and Supplemental Instruction (OSS/SI). To begin this process, complete the registration form available on the OSS/SI website at [www.njcu.edu/Specialized\\_Services.aspx](http://www.njcu.edu/Specialized_Services.aspx) (listed under Student Resources-Forms). Contact OSS/SI at 201-200-2091 or visit the office in Karnoutsos Hall, Room 102 for additional information.

## Weekly Course Schedule

Dates refer to the first day of the week. Complete the readings before the first class of the week. Readings marked with a ‘\*\*’ can be found on the course website. All other listed readings can be found in the required textbook. Changes to the syllabus will be announced in class and *via* your NJCU email address.

### Week 1: Introduction

**Week 2:** Struggling with time

1. \*\*‘A Geography of Time,’ Robert Levine, ch.3
2. *Optional*
  - a) \*\*‘Time, Work-Discipline, and Industrial Capitalism,’ E.P. Thompson
  - b) \*\*‘Aristotle on Time,’ Tony Roark\*\*, ch.2.1

**Week 3:** What do clocks measure?

1. \*\*‘The Mystery of Time,’ O.K. Bouwsma, pp.341–347
2. TRAVELS, Ch. 1

**Week 4:** Time and Change

1. Project brain-storming
2. TRAVELS, Ch. 2
3. *Optional:*
  - a) \*\*‘Time Without Change,’ Sydney Shoemaker

**Week 5:** Does time have a beginning? (no class on Mon.)

1. TRAVELS, Ch 5

**Week 6:** Does Time Pass?

1. \*\*‘Slaughterhouse-Five,’ Kurt Vonnegut, ch.2–5
2. TRAVELS, Ch. 8

**Week 7:** Does the future exist?

1. TRAVELS, Ch. 9
2. *Optional*
  - a) ‘A Survey of Metaphysics,’ E.J. Lowe, ch.16

**Spring Break****Week 8:** Free will

1. Monday was cancelled due to Cohort B’s trip to Berlin.
2. \*\*‘Free Will,’ Lewis Vaughn, 248–250 (Wed)

**Week 9:** Continued

1. \*\*‘Free Will,’ Lewis Vaughn, 219–250

**Week 10:** How do we survive time?

1. \*\*‘Of Confused Subjects Which Are Equivalent to Two Subjects:. An Excerpt from The Port-Royal Logic,’ Antoine Arnauld and Pierre Nicole.

2. \*\*'Material Constitution', Michael Rea, pp.102–111
3. \*\*'Identity, Ostension, and Hypostasis', W. V. O. Quine, pp. 621–624,

**Week 11: Time-Travel**

1. \*\*'All You Zombies,' Robert Heinlein
2. TRAVELS, Ch. 10
3. (*Optional:*)
  - a) \*\*'The Paradoxes of Time Travel', David Lewis
  - b) \*\*'Interfering with History', Robin Le Poidevin

**Week 12: Time's Arrow**

1. TRAVELS, Ch. 12
2. \*\*'The Arrow of Time', Bradley Dowden

**Week 13: The future of time-travel**

1. Interstellar (movie)
2. TBD

**Week 14: Presentations**

**Week 15: Presentations**

**Assignment Schedule**

Dates refer to the due date. All assignments must be submitted through Blackboard by 11:59pm. No late work accepted. No exceptions. You must complete 4 short essays. If you complete more than the required number, the lowest grade will be dropped.

1. 02/01/2016, Short essay 1
2. 02/15/2016, Short essay 2
3. 02/29/2016, Independent Project: Proposal
4. 03/28/2016, Short essay 3
5. 04/4/2016, Independent Project: Progress Report
6. 04/11/2016, Short essay 4
7. 04/25/2016, Short essay 5
8. 5/06/2016, Independent project: Written submission.