



TENTATIVE SYLLABUS

All readings are online. You only need to read the pages listed below (although many readings have extra pages).

Date	Class topic	Assignment (to be completed <i>before class</i>)
W 6 Sep	Introduction to the course	Vranas 2018 (video)
Part I: SINGLE-UNIVERSE TIME TRAVEL		
I.A: Time Jumps and Time Slides		
F 8 Sep	Introduction to time travel	Heinlein 1941/1980: 100-148
M 11 Sep	Defining time travel I	Vranas 2008: 1-5
W 13 Sep	Defining time travel II	Lewis 1976: 145-149
F 15 Sep	Time jumps	MacBeath 1982: 397-428
M 18 Sep	Time slides I	Le Poidevin 2005: 336-351
W 20 Sep	Time slides II	Bernstein 2015: 158-168
I.B: The Physics of Time Travel		
F 22 Sep	Time travel in Special Relativity I	Taylor & Wheeler 1992: 1-18
M 25 Sep	Time travel in Special Relativity II	Taylor & Wheeler 1992: 137-157
W 27 Sep	Time travel in Special Relativity III	Taylor & Wheeler 1992: 121-134
F 29 Sept	Time travel in General Relativity I	Malament 1981: 91-95
M 2 Oct	Time travel in General Relativity II	Thorne 1994: 483-490, 498-521
W 4 Oct	Time travel in General Relativity III	Arntzenius & Maudlin 2000/2013: 12-24, 29-38
I.C: The Metaphysics of Time Travel		
F 6 Oct	Time travel and changing the past I	Nahin 1999: 259-275
M 9 Oct	Time travel and changing the past II	Vranas 2005: 370-380
W 11 Oct	Time travel and changing the past III	Forward 1992: 148-164
F 13 Oct	Time travel and theories of time I	Markosian 2002/2016: 1-23
M 16 Oct	Time travel and theories of time II	Keller & Nelson 2001: 333-345
W 18 Oct	Time travel and theories of time III	Wasserman 2018: 23-31, 39-55
F 20 Oct	Exam #1	Review all readings so far
M 23 Oct	Time travel and theories of persistence I	Wasserman 2018: 183-196
W 25 Oct	Time travel and theories of persistence II	Wasserman 2018: 197-209
F 27 Oct	Time travel and theories of persistence III	Wasserman 2018: 209-224
M 30 Oct	Time travel and free will I	Vihvelin 1996: 315-330
W 1 Nov	Time travel and free will II	Vranas 2010: 115-121; Wasserman 2018: 120-124
F 3 Nov	Time travel and free will III	Lewis 1076: 149-152; Vranas 2009: 520-531
I.D: The Paradoxes of Time Travel		
M 6 Nov	Probability paradoxes I	Horwich 1987: 111-128
W 8 Nov	Probability paradoxes II	Smith 1997: 363-388
F 10 Nov	Probability paradoxes III	Smith 2017: 153-167
M 13 Nov	Mechanical paradoxes	Ismael 2003: 305-3
W 15 Nov	Bootstrap paradoxes I	Nahin 1999: 304-323
F 17 Nov	Bootstrap paradoxes II	Hanley 2004: 123-148
Part II: MULTIPLE-UNIVERSE TIME TRAVEL		
M 20 Nov	Time travel in Quantum Mechanics I	Albert 1992: 17-38
W 22 Nov	Time travel in Quantum Mechanics II	Albert 1992: 73-79, 112-115
M 27 Nov	Fragmented vs branching multiverses I	Barrett 1999: 149-162
W 29 Nov	Fragmented vs branching multiverses II	Deutsch & Lockwood 1994: 50-56
F 1 Dec	Time travel in a fragmented multiverse I	Abbruzzesse 2001: 36-38
M 4 Dec	Time travel in a fragmented multiverse II	Wasserman 2018: 78-90
W 6 Dec	Time travel in a branching multiverse I	Sell 1938/1965: 72-91
F 8 Dec	Time travel in a branching multiverse II	Wasserman 2018: 90-106
M 11 Dec	Time travel in a branching multiverse III	Effingham 2012: 375-385
W 13 Dec	Exam #2	Review all readings after Exam #1