

PHY344 Extraterrestrial Life Course Schedule

The Course covers four basic topics: Introduction & Astronomy Review, Life on Earth, Life in the Solar System, Life Among the Stars. Below is a tentative schedule for the course. As a new course it is likely that the content will shift from this schedule, but the quiz dates are set and unchanging.

| Day | Date | | Topic |
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| Monday | 8/27 | 1 | Introduction & The Nature of Science (Ch 1,2) <i>Activity: Is it Science?</i> |
| Thursday | 8/30 | 2 | History of Astronomy & Review of Exploring the Universe (Ch 2,3) <i>Activity: Remote Sensing</i> |
| Monday | 9/3 | | <i>Labor Day - no class</i> |
| Thursday | 9/6 | 3 | Review of Exploring the Universe (Ch 3) <i>Activity: Remote Sensing</i> |
| Monday | 9/10 | 4 | The Earth and Geology (Ch 4) <i>Activity: The Evolving Earth</i> |
| Thursday | 9/13 | 5 | The Earth and Geology (Ch 4) Current Article Presentation 1 (Lead by Prof Forestell) |
| Monday | 9/17 | | <i>Rosh Hashanah - no class</i> |
| Thursday | 9/20 | 6 | The Nature of Life on Earth - Biology, Chemistry (Ch 5) <i>Activity: The Nature of Life</i> |
| Monday | 9/24 | 7 | Quiz 1 <i>Activity: The Nature of Life</i> |
| Thursday | 9/27 | 8 | The Nature of Life on Earth - Biology, Chemistry (Ch 5) Current Article Presentation 2 |
| Monday | 10/1 | 9 | The Origin and Evolution of Life on Earth (Ch 6) <i>Activity: Extremophiles</i> |
| Thursday | 10/4 | 10 | The Origin and Evolution of Life on Earth (Ch 6) Current Article Presentation 3 |
| Monday | 10/8 | | <i>Columbus Day - no class</i> |
| Tuesday | 10/9 | 11 | Searching for Life in Our Solar System (Ch 7) <i>Activity: Importance of Water</i> |
| Thursday | 10/11 | 12 | Searching for Life in Our Solar System (Ch 7) Current Article Presentation 4 |
| Monday | 10/15 | 13 | Mars (Ch 8) <i>Activity: Terraform Mars</i> |
| Thursday | 10/18 | 14 | Quiz 2 <i>Activity: Terraform Mars</i> |
| Monday | 10/22 | 15 | Mars (Ch 8) Current Article Presentation 5 |
| Thursday | 10/25 | 16 | Life on Jovian Moons (Ch 9) <i>Activity: Habitable Zone</i> |
| Monday | 10/29 | 17 | Life on Jovian Moons (Ch 9) Current Article Presentation 6 |
| Thursday | 11/1 | 18 | The Nature and Evolution of Habitability (Ch 10) <i>Activity: Extrasolar Planets</i> |

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| Monday | 11/5 | 19 | The Nature and Evolution of Habitability (Ch 10) Current Article Presentation 7 <i>(Black Solidarity Day)</i> |
| Thursday | 11/8 | 20 | Habitability Outside the Solar System (Ch 11) <i>Activity: Extrasolar Planets</i> |
| Monday | 11/12 | 21 | Quiz 3 <i>Activity: Rare Earth</i> |
| Thursday | 11/15 | 22 | Habitability Outside the Solar System (Ch 11) Current Article Presentation 8 |
| Monday | 11/19 | 23 | The Search for Extraterrestrial Intelligence (Ch 12) <i>Activity: Drake Equation</i> |
| Thursday | 11/22 | | <i>Thanksgiving - no class</i> |
| Monday | 11/26 | 24 | The Search for Extraterrestrial Intelligence (Ch 12) Current Article Presentation 9 |
| Thursday | 11/29 | 25 | Interstellar Travel and the Fermi Paradox (Ch 13) <i>Activity: I There Anybody Out There?</i> |
| Monday | 12/3 | 26 | Interstellar Travel and the Fermi Paradox (Ch 13) Current Article Presentation 10 |
| Thursday | 12/6 | 27 | Overflow class |
| Monday | 12/10 | 28 | Quiz 4 Review |
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| Monday | 12/17 | | Final Exam Day - No exam, final papers due by 5pm |