

## Extraterrestrial Life Schedule

UGS 303	WEL 1.316			Spring 2016
	<b>Instructor</b>	<b>Teaching Assistants</b>		
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<b>Section:</b>	MAI 220A	8, 9, 10	11, 12, 1	2, 3, 4
<b>Office Hours:</b>	M 4-5, W9-10	Th 11-12	Tu 11-12	M 1-2

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**Website:** <http://www.as.utexas.edu/astronomy/education/spring16/evans/303.html>

**Schedule:** Be sure to do the reading assignments **before** the class they are assigned for. Those who are prepared and ask questions or contribute to discussion will receive extra credit. If the scheduled office hours are not possible for you, we will make appointments for other times. Reading Assignments refer to chapters in the Class notes (Evans) or to the whole of the novel **Contact** by Carl Sagan. You should start reading **Contact** by about Spring Break, marking passages that discuss communications or travel ideas. Then review these before classes when those topics are discussed.

Date	Topic	Reading Assignments	Drake Equation Factor
1/19	Course Overview	1	
1/21	Origin of Elements	2	
1/26	Origin of Stars	3A–3C	$R_*$
1/28	Origin of Planets	3D	$f_p$
2/2	Nature of Solar Systems	3E	
2/4	Habitable Planets	3F	$n_e$
2/9	Habitable Planets	3F	
2/11	Test 1 (Ch. 1–3)		
2/16	Nature of Life	4A	
2/18	Origin of Life	4B–C	$f_\ell$
2/23	Origin of Life	4D	

2/25	Alternatives	4E–4G	
3/1	Life in Solar System	5A–B	
3/3	Life in Solar System	5C–D	
3/8	Test 2 (Ch. 4–5)		
3/10	Biological Evolution	6A	Paper topics due
3/15	Spring Break		Start Reading <b>Contact</b>
3/17	Spring Break		
3/22	Origin of Intelligence	6B	f <sub>i</sub>
3/24	Cultural Evolution	7A–B	f <sub>c</sub> , Paper outline, Para. 1
3/29	Lifetime of Civilization	7C	L
3/31	Future of Civilization	7D	Paper due
4/5	Section Talks		Reports from sections
4/7	More Talks, Drake Eq.	8	N, r
4/12	Test 3 (Ch. 6–7)		
4/14	Communication	9A–D	
4/19	Communication	9E	Papers returned
4/21	Contact (Communication)	<b>Contact</b>	
4/26	Travel	10A–B	Paper rewrite due
4/28	Visitations?	10C	
5/3	Contact (Travel, Reactions)	<b>Contact</b>	<b>Course evaluation</b>
5/5	Test 4 (Ch. 8–10 & Contact)		This test is required