

暑假课程介绍 Summer Course Description

课程名称 Course Name	Searching For Life in the Universe 寻找地外生命		教师姓名 Teacher Name	蔡锴 Dr. Kai Cai		
招生对象 Prospective Students	6th graders or above (11 – 12 岁以上) who have learned pre-algebra or basic algebra (对不起, 这不是儿童天文启蒙课)					
每周上课次数 Classes/Week	2 次	上课日期 Day	星期二 Tuesday	星期三 Wednesday	星期四 Thursday	星期五 Friday
		上课时间 Time	5:30-6:50pm		5:30-6:50pm	
教学目标 Teaching Objectives	The goal of the course is to expose students to the basics in astronomy plus the science of life (astrobiology), to help them develop some understanding of our place in the universe, as well as to learn to distinguish true science from sci-fi and misinformation. The course will also cover some related Chinese culture.					
教学内容 Teaching Content	The Night Sky, major Constellations, Phases of the Moon, Electromagnetic Radiation, Telescopes, climate and geology, life on the Earth, searching for life in our Solar System, exoplanets, and SETI; special emphasis will be placed on the spacecraft explorations of the Solar System.					
教学方法 Teaching Method	Zoom Lectures, Online Simulations, Guided Night-sky Observations, watching PBS programs (TV or online), and occasional homework (may include writing assignments).					
使用教材 Teaching Materials	<p><i>Life in the Universe</i>, 4th edition by Jeffrey Bennett & Seth Shostak (ISBN: 9780135234457 – for an eBook)(not required)</p> <p>Reference book: OpenStax <i>Astronomy</i> (available online for free at openstax.org/details/books/astronomy)</p>					

填表说明:

- 1)课程名称: 选择一个既能体现课程内容, 又能吸引学生/家长注意力的名称。
- 2) 招生对象: 请详细描述招生对象的年龄或知识水平要求。
- 3) 每周上课次数: 根据你的课程内容、暑假课程时间(共 8 周)和暑假是“假期”的特点决定你每周上课次数。
- 4) 上课时间: 暑假课程安排在周二至周五, 分上午, 下午, 和傍晚三个时间段。上午: 9:00—10:20, 10:40-12:00; 下午: 1:30—2:50, 3:10-4:30; 傍晚: 6:40-8:00. 请根据自己的情况选择上课日期及时间。
- 5) 填表截止日期: 4/6/2023。
- 6) 请用你的姓名命名你的课程介绍, 并将填好的表格发到下列邮箱: