



Central  
North  
South  
SVI

# ASTR201 - The Universe And The Origin Of Life

Document Type: Master Course Outline Supplemental

Proposal Type: Revision

Requester(s): Ted Coskey

College: South

Origination Approved: 06/11/2014 - 10:42 AM

## BASIC INFORMATION

**Requester(s):** Ted Coskey

**College:** South Seattle Community College

**Division/Dept:** Academic Programs

**Dean:** Gayla Shoemake

**Peer Reviewer(s):** Elizabeth Schoene

## COLLEGE SUPPLEMENTAL

**Proposed Quarter of Implementation:** Winter 2015

Request Provisional Exception

**Class Capacity:** 35

**Modes of Delivery:** (Check all that apply)

Fully On Campus

Fully Online

Hybrid

Other Explanation:

**Select the Special Designation(s) this course will satisfy, if applicable:**

(No Special Designations Selected)

### Class Schedule Description:

This class boldly goes in search of life in the universe, looking at the origins of life, speculating on other life forms and possible contact, and finally exploring the beginning and end of our universe as we know it.

### Student Learning Outcomes:

#### Communication

Read and listen actively to learn and communicate

Speak and write effectively for academic and career purposes

Write only as the course is online.

#### Personal Responsibility

Uphold the highest standard of academic honesty and integrity

Attend class regularly, complete assignments on time and effectively participate in classroom and online discussions, group work and other class-related projects and activities

Attend means in this case participate in a timely manner.

**Program Outcomes:**

Student Learning Outcomes

<b>SLO #</b>	<b>Included in Course Objective Number</b>	<b>SSCC Student Learning Outcomes</b>
SLO 1.1	1 - 9	Communication - Read and listen actively to learn and communicate.
SLO 1.2	1 - 9	Communication - Speak and write effectively for academic and career purposes.
SLO 2.1		Computation - Use arithmetic and other basic mathematical operations as required by program of study.
SLO 2.2		Computation - Apply quantitative skills for academic and career purposes.
SLO 3.1		Human Relations - Use social skills to work in groups effectively.
SLO 3.2	1 - 9	Human Relations – Have knowledge of the diverse cultures represented in our multicultural society.
SLO 4.1	1 - 9	Critical Thinking—Think critically in evaluating information, solving problems, and making decisions.
SLO 5.1	1 - 9	Technology - Select and use appropriate technological tools for academic and career tasks.
SLO 6.1		Personal Responsibility – Uphold the highest standards of academic honesty and integrity.
SLO 6.2		Personal Responsibility – Respect the rights of others in the classroom, online, and in all other school activities.
SLO 6.3	1 - 9	Personal Responsibility – Attend class regularly, complete assignments on time, and effectively participate in classroom and online discussions, group work, and other class-related projects and activities.
SLO 6.4		Personal Responsibility – Abide by appropriate safety rules in laboratories, shops, and classrooms.
SLO 7.1	1- 9	Information Literacy—Independently access, evaluate, and select information from a variety of appropriate sources.
SLO 7.2		Information Literacy – Have knowledge about legal and ethical issues related to the use of information
SLO 7.3		Information Literacy - Use information effectively and ethically for a specific purpose.

**Course Outcomes / Objectives:**

At the end of the course the student will:

1. Discuss key ways to find distance in astronomy.
2. Describe the evolution of a star from birth to death.
3. List features of the three galaxy types.
4. Explain the make-up of the atom and how it is used in astronomy.
5. Discuss the origin and evolution of the universe in some detail. Tell why the Big Bang Theory is the preferred theory.
6. Describe how life might have originated on earth and how it evolved.
7. Tell how extrasolar planets have been found and describe their basic characteristics.
8. Describe how we are looking to contact extraterrestrial life.
9. Discuss various reasons as to why we have not yet made contact.

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**Explain the student demand for the course and potential enrollment:**

The course has been successfully offered twice a year for several years. It is one of our 200-level classes and is a writing class.

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**Explain why this course is being revised:**

To get the course information into the ACAS.

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**What challenges, if any, do you foresee in offering this course:**

None.

**This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.**

Faculty involved in originating this program:

Ted Coskey  
Print Name

*Ted Coskey*  
Signature

5/30/2014  
Date

Dean:

Mark D Baumann (Admin)  
Print Name

*Mark D Baumann*  
Signature

3/11/2014  
Date

### Results of SSCC Curriculum Coordinating Council Findings

#### Participating Faculty Response and Remarks

- Recommended for approval  
 Not recommended for approval

Chairman, Curriculum Coordinating Council:

Diane Schmidt  
Print Name

*Diane Schmidt*  
Signature

6/10/2014  
Date

Vice President for Instruction:

Donna Miller-Parker  
Print Name

*Donna Miller-Parker*  
Signature

6/11/2014  
Date