

Science and Religion

Course Name	Course type (credit/hours)	교필(3/3)		Course code	X175
	Target students Division/major/grade	미확정/미확정		Opening semester	2019 1ST SEMESTER
	Class time and classroom	월A(성201) 수A(성201)(성201)		English Grade	A(100%English)
Reference to this course	Prerequisite courses				
	Related basic courses				
	Recommanded concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	이재신 (교수/자연과학대학 화학과)			
	Office Room Number	원천관 216	Office phone Number	2603	e-mail
	Office hours		Homepage address		
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

2. Course Objectives

The goal of this course is, first, to understand the relationship between science and religion through historical investigation on the relation between science and religion in the western society. The second goal of this course is to investigate the problem of origin of the universe and life, which is a common fundamental issue of science and religion, using modern scientific concepts and theories.

3. Class types and activities

Lecture. Video watching. Team project presentation.

4. Teaching Method

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|--|---|
| <input type="checkbox"/> lecture | <input type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

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|--|---|---|
| <input type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

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|--|---|
| <input type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		20	
midterm exam			
final exam	1	40	
quiz			
presentation			
discussion			
homework	2	40	
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Science and religion, a historical introduction	G. B. Ferngren	Johns Hopkins Univer	2002
Main	Signature in the cell	S. C. Meyer	HarperOne	2009
Ref.	A brief history of time	S. Hawking	Bantam	1998

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Definition of science and religion	E	이재신			
2	Relation between science and religion in ancient Greek	E	이재신			
3	Relation between science and religion in Middle Ages	E	이재신			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
4	Relation between science and religion during scientific revolution	E	이재신			
5	Newtonian mechanics and relativity	E	이재신			
6	Big Bang Theory	E	이재신			
7	Modern cosmology and religion	E	이재신			
8	Midterm exam.	E	이재신			
9	Geology and paleontology in 18 and 19 C	E	이재신			
10	Natural history during 18 and 19 C	E	이재신			
11	Charles Darwin and evolution	E	이재신			
12	Chemical evolution model	E	이재신			
13	Intelligent design argument	E	이재신			
14	Science and Naturalism	E	이재신			
15	Scientists and religion	E	이재신			
16	Final exam.	E	이재신			

11. Other items of notification