

## Science and Religion

Course Name	Course type (credit/hours)	Required course(3/3)	Course code	X255
	Target students Division/major/grade	/Freshman	Opening semester	2019 2ND SEMESTER
	Class time and classroom	Mon A(Seong201-1)Wed A(Seong201-1)	English Grade	A(100%English)
Reference to this course	Prerequisite courses			
	Related basic courses			
	Recommended concurrent courses			
	Related advanced courses			

Instructor	Name (title/division)		Lee, Jae Shin(Professor, Chemistry)			
	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

- |  |   |
|--|---|
| <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

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> AjouBb                          | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture                   | <input type="checkbox"/> online content             |   |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others                     |   |

### 6. Teaching Tools

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) | <input type="checkbox"/> TBL(Team Based Learning)           |
| <input type="checkbox"/> UR(Undergraduate Research)  | <input type="checkbox"/> FL(Flipped Learning)     | <input type="checkbox"/> DSAL(Data Science Active 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	Lee, Jae Shin			
2	Relation between science and religion in ancient Greek	E	Lee, Jae Shin			
3	Relation between science and religion in Middle Ages	E	Lee, Jae Shin			

## < Class Schedule >

\* language : K-korean, E-English

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

## 11. Other items of notification