Science and Religion

Course Name	Course section (credit/hours)	Required course(3/3)		course code	X517
	course item			course component	
	Target students Division/major/grade			opening semester	2021 1ST SEMESTER
	Class time and classroom	Mon A(Seong105)Wed A(Seong105)		English Grade	A(100%English)
Reference to this course	Credit compositon	Theory(0) + Design(0) + Practice(0)			
	Prerequisite courses				
	Related basic courses				
	Recommanded concurrent courses				
	Related advanced course				
Instructor	Name (title/division)	Lee, Jae Shin(Professor, Chemistry)			
	Office Room Number	원천관 216	Extension Number	2603	e-mail	jsnlee@ajou.ac.kr
	Office hour		Homepage address		
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail	

1. Course Introduction

2. Course Objectives & course outcome

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

- [ ] lecture
- [ ] discussion and debate
- [ ] team project(presentation and case studies)
- [ ] experiments(role-playing,etc)
- [ ] designing and production
- [ ] on-site learning(on-site training)
- [ ] others

5. Support Systems in Use

- [ ] AjouBb
- [ ] automatic recording system
- [ ] web-based assignment
- [ ] cyber lecture
- [ ] online content
- [ ] class behavior analyazing system
- [ ] others

6. Teaching Tools

- [ ] PBL(Problem Based Learning)
- [ ] CBL(Case Based Learning)
- [ ] TBL(Team Based Learning)
- [ ] UR(Undergraduate Research)
- [ ] FL(Flipped Learning)
- [ ] DSAL(Data Sciencd Active Learning)
- [ ] others

7. Evaluation method of course outcome

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		20	
midterm exam			
final exam	1	40	
quiz			

7. Evaluation method of course outcome

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
presentation			
discussion			
homework	2	40	
etc			
study hours			

8. Textbook and Reference material

Main/Sub	Title	Writer	Publisher	Publication year
Main	Science and religion, a historical introduction, 1st ed.	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
Ref.	Darwin's doubt	S. C. Meyer	HarperOne	2013

9. Class system and Class shedule

< Schedule >

* language : K-korean, E-English

Weeks	Title of lecture	language	time distribution(minutes)			Teaching Method	evaluation method
			theory	design	experiment practice		
1	Definition of science and religion	E	3				
2	Relation between science and religion in ancient Greek	E	3				
3	Relation between science and religion in Middle Ages	E	3				
4	Relation between science and religion during scientifix revolution	E	3				

< Schedule >

* language : K-korean, E-English

Weeks	Title of lecture	language	time distribution(minutes)			Teaching Method	evaluation method
			theory	design	experiment practice		
5	Newtonian mechanics and cosmology	E	3			On site class	
6	Special relativity	E	3			On site class	
7	General relativity and Big Bang theory	E	3				
8	Cosmology and religion	E	3			On site class	
9	Geology and paleontology in 18 and 19 C	E	3				
10	Natural history during 18 and 19 C	E	3				
11	Charles Darwin and evolution	E	3				
12	Chemical evolution model	E	3				
13	Inference in historical science	E	3				
14	Intelligent design argument	E	3				
15	Science, materialism, and Naturalism	E	3			On site class	
16	Final exam.	E	3			Offline exam.	

10. Contribution index of the course for attaining ABEEK program outcomes

course outcome	contribution scale
No Data	

11. Analysis of improved matters for the previous semester

13. Reference items