

[DEGREE PROGRAMMES](#)[BOLOGNA](#)[THE INSTITUTION](#)[INFO FOR STUDENTS](#)You are here : [Home](#) [Master's Degree& Doctorate Degree](#) [Physics \(PhD\)](#) [Meteoritics](#) **[Course Information](#)**

Course Information

COURSE INFORMATION

Course Title	Code	Semester	L+U Hour	Credits	ECTS
Meteoritics	FZ-6023		3 + 0	3.0	7.5

Prerequisites	None
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Language of Instruction	Turkish
Course Level	Third Cycle
Course Type	Elective
Mode of delivery	Face to face
Course Coordinator	Assist. Prof. Dr. Mülayim GÜRE
Instructors	Prof. Dr. Osman DEMİRKAN
Assistants	
Course Objectives	The aim of this course investigate the effects of meteors and asteroids
Course Content	Introduction and historical notes, the meteor falls and related events, craters, meteorites and craters known in Turkey and in the world, Crater counts and reviews, meteorite classification, physical, Achondrite, carbonaceous meteorites, tektitler, the physical properties of meteors, meteors chemical other features of the origin of meteorites meteors and mineralogical characteristics, the evolution of the solar system and life roles, meteors and asteroids near Earth.
Course Learning Outcomes	1) To know meteors and meteorites related to the concepts 2) To understand interaction with the Earth of meteorites. 3) To learn physical and chemical composition of meteorites 4) To learn the evolution of the solar system and life on meteors to distinguish between the roles

WEEKLY COURSE CONTENT

Week	Topics	Teaching and Learning Methods and Techniques	Study Materials
1. Week	Introduction and historical notes	Reading	
2. Week	Meteor falls and related phenomena, craters,	Research	
3. Week	Known meteorites and craters in the world and in Turkey,	Research	
4. Week	Crater counts of sky objects and their interpretation,	Practice	
5. Week	Classification of meteorites,	Practice	
6. Week	Carbonaceous meteorites,	Research	

Quick Access

Physics (PhD)

- Qualification Awarded
- Level of Qualification
- Qualification Requirements and Regulations
- Specific Admission Requirements
- Recognition of Prior Learning
- Profile of the Program
- Program Key Learning Outcomes
- Occupational Profile of Graduates
- Access to Further Studies
- Course Structure & Credits
- Exam Regulations & Assessment & Grading
- Graduation Requirements
- Mode of Study
- Programme Director(or Equivalent)
- Evaluation Questionnaire
- TYYÇ

Course Information

- Course Information
- Weekly Course Content
- Resources
- Material Sharing
- Course Category
- CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME OUTCOMES
- ECTS credits and course workload

7. Week	Carbonaceous meteorites, tektits	Research	
8. Week	Physical properties of meteors	Reading	
9. Week	Midterm	Exam	
10. Week	Chemical properties of meteorites	Research	
11. Week	Mineralogical properties of meteorites	Research	
12. Week	Other features of meteors	Practice	
13. Week	The origin of meteorites,	Reading	
14. Week	Roles in the evolution of the solar system and life,	Lecture	
15. Week	Meteors and asteroids close to Earth.	Research	
16. Week	Final	Exam	

RESOURCES

Recommended Sources

D BROWNLEE , D JOSWIAK, and G MATRAJT “Overview of the rocky component of Wild 2 comet samples: ” M& P Science 47, Nr 4, 453–470, 2012

MATERIAL SHARING

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ASSESSMENT

Measurement and Evaluation Methods and Techniques

Midterm Exam (40 %), Final Exam (60 %)

COURSE CATEGORY

Course Category	Percentage
Support Courses	% 20

CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME OUTCOMES

Programme Outcomes	Contribution Level	DK1	DK2	DK3	DK4
<u>PY1</u>	1	4	1	1	1
<u>PY2</u>	2	1	2	2	2
<u>PY3</u>	3	3	2	3	3
<u>PY4</u>	3	1	4	4	4
<u>PY5</u>	3	3	3	3	3
<u>PY6</u>	2	3	3	2	2
<u>PY7</u>	2	2	2	2	2
<u>PY8</u>	2	2	2	2	2
<u>PY9</u>	1	1	1	1	1
<u>PY10</u>	1	1	1	1	1
<u>PY11</u>	1	1	1	1	1
<u>PY12</u>	2	2	2	2	2
<u>PY13</u>	2	2	2	2	2

PY14	1	1	1	1	1
PY15	2	2	2	2	2

*DK = Course's Contribution.

	0	1	2	3	4	5
Level of contribution	None	Very Low	Low	Fair	High	Very High

ECTS CREDITS AND COURSE WORKLOAD

Event	Quantity	Duration (Hour)	Total Workload (Hour)
Final Exam	1	2	2
Class Hours (14 weeks)	14	3	42
Fieldwork	14	2	28
Presentation/Seminar	3	3	9
Final Exam Preparation	1	8	8
Mid Term Exam Preparation	1	6	6
Further Study	14	2	28
Preliminary Study	14	2	28
Assignment 1	3	5	15
Application/Practice	8	3	24
Mid Term Exam 1	1	2	2
Total Workload			192
Total Workload / 25.5 (s)			7.53
ECTS Credit of the Course			8