| MATHEMATICAL GEOGRAPHY | | | | | | | | | | |
|------------------------|--|---|---|--|--|--|--|--|--|--|
| 1 | Course Title: | MATHEI | MATICAL GEOGRAPHY | | | | | | | |
| 2 | Course Code: | COG2019 | | | | | | | | |
| 3 | Type of Course: | Optional | | | | | | | | |
| 4 | Level of Course: | First Cycle | | | | | | | | |
| 5 | Year of Study: | 2 | | | | | | | | |
| 6 | Semester: | 3 | | | | | | | | |
| 7 | ECTS Credits Allocated: | 5.00 | | | | | | | | |
| 8 | Theoretical (hour/week): | 2.00 | | | | | | | | |
| 9 | Practice (hour/week): | 0.00 | | | | | | | | |
| 10 | Laboratory (hour/week): | 0 | | | | | | | | |
| 11 | Prerequisites: | | | | | | | | | |
| 12 | Language: | Turkish | | | | | | | | |
| 13 | Mode of Delivery: | Face to face | | | | | | | | |
| 14 | Course Coordinator: | Doç. Dr. ALİ YİĞİT | | | | | | | | |
| 15 | Course Lecturers: | | | | | | | | | |
| 16 | Contact information of the Course Coordinator: | Doç. Dr. Ali Yiğit | | | | | | | | |
| 17 | Website: | | | | | | | | | |
| 18 | Objective of the Course: | After specifying the location of the world in the universe, views on the shape of the world and measurements made to find the size of the world are explained chronologically. Following these issues, the world's physical features, movements and these movements to know | | | | | | | | |
| 19 | Contribution of the Course to Professional Development: | In particular, the entire universe and solar system and the functioning of these systems are discussed, the shape of the Earth, its size, physical properties (volume, density, mass, temperature, magnetic property), the structural properties of the earth, the movements of the Earth (around itself, around the sun and polar movements), the location of the Earth, time issues are discussed. | | | | | | | | |
| 20 | Learning Outcomes: | | | | | | | | | |
| | | 1 | By defining mathematical geography, mathematics knows the topics explored by geography | | | | | | | |
| | | 2 | Knows the formation of the universe and how the solar system came into being | | | | | | | |
| | | 3 | Understands the formation of the world and knows the structure and internal properties of the world | | | | | | | |
| | | 4 | Understands how the daily and annual rotation of the world occurs | | | | | | | |
| | | 5 | Know the views put forward about the size of the world in past periods | | | | | | | |
| | | 6 | Makes calculations about clocks and knows the concepts of time and Calendar | | | | | | | |
| | | 7 | | | | | | | | |
| | | 8 | | | | | | | | |
| | | 9 | | | | | | | | |
| | | 10 | | | | | | | | |
| 21 | Course Content: | | | | | | | | | |
| | | Co | ourse Content: | | | | | | | |
| Week | ek Theoretical Practice | | | | | | | | | |

| 1 | Definition of mathematical geography location and attention in geography | /, its | | | | | | | | |
|---------------------------|---|----------------|--|--|-----------------------------|---------------------------|--|--|--|--|
| 2 | Formation of the cosmos | | | | | | | | | |
| 3 | Galaxies and the solar system | | | | | | | | | |
| 4 | Planets and the Moon | | | | | | | | | |
| 5 | The formation of the earth and the be of life | ginning | | | | | | | | |
| 6 | The Shape of the earth and its conse | quences | | | | | | | | |
| 7 | The size of the earth, with their dimer the distribution of oceans and contine | nsions ents | | | | | | | | |
| 8 | Physical properties of the Earth (volu density, mass, temperature, magnetic property) | me, c | | | | | | | | |
| 9 | Interior structure and features of the | earth | | | | | | | | |
| 10 | Movements of the earth | | | | | | | | | |
| 11 | Locator on Earth | | | | | | | | | |
| 12 | Coordinate systems | | | | | | | | | |
| 13 | Time (local time, national time, Intern time, time zones, seasons, calendar) | ational | | | | | | | | |
| 14 | Prognostications on the future state c earth | of the | | | | | | | | |
| 22 | Textbooks, References and/or Other Materials: | | Doğanay, H., (1992). Coğrafyaya Giriş. Atatürk Üniv. Yay. No:726, Kazım Karabekir Eğitim Fak. Yav. No:23. | | | | | | | |
| Activit | ies | | | Number | Duration (hour) | Total Work Load (hour) | | | | |
| Theore | tical | | С | napany, Inc. New York | 2.00 | 28.00 | | | | |
| Practica | als/Labs | | | $0 \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad$ | 0.00 | 0.00 | | | | |
| Self stu | dy and preperation | | Or | קַמָ ör, S., 1960, Matem | atik Coğrafya. Güv | 84Yayınevi | | | | |
| Homew | vorks | | | 1 | 30.00 | 30.00 | | | | |
| Project | 8 | | Εi | büyük, M., 2000, Mate okara | hətik Coğrafya. El، المعرفة | @ <u>l</u> obayınevi, | | | | |
| Field S | tudies | | (| 0 | 0.00 | 0.00 | | | | |
| Mi <u>⊉</u> t3ern | Assessment | | | 1 | 1.00 | 1.00 | | | | |
| Others | | | (| 0 | 0.00 | 0.00 | | | | |
| Final E: Midtern | Xams n Exam | 1 | 20 | 1 | 1.00 | 1.00 | | | | |
| Total W | Vork Load | - | | | | 145.00 | | | | |
| Total w | ork load/ 30 hr | 1 | 20 | | | 4.80 | | | | |
| | Credit of the Course | | | | | 5.00 | | | | |
| Total | | 3 | 10 | 0.00 | | | | | | |
| Contrib Succes | oution of Term (Year) Learning Activitie ss Grade | es to | 40.00 | | | | | | | |
| Contrib | ution of Final Exam to Success Grade |) | 60.00 | | | | | | | |
| Total | | | 100.00 | | | | | | | |
| Measur Course | rement and Evaluation Techniques Us | sed in the | Lecture, Question and answer, Case study, Discussion, group work | | | | | | | |
| 24 ECTS / WORK LOAD TABLE | | | | | | | | | | |

| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
|--|--|-----|-----|-----|-------|-----|----------|-----|-----|----------|------|------|-------------|------|------|------|
| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ1 0 | PQ11 | PQ12 | PQ1 3 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 4 | 3 | 2 | 0 | 0 | 2 | 2 | 5 | 3 | 0 | 0 | 2 | 3 | 0 | 0 | 0 |
| ÖK2 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 5 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 |
| ÖK3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 |
| ÖK4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 |
| ÖK5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 |
| ÖK6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 0 | 0 | 4 | 2 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contrib ution Level: | rib 1 very low n l: | | | | 2 low | | 3 Medium | | | 4 High | | | 5 Very High | | | |