# AYDIN ADNAN MENDERES UNIVERSITY
# GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
# LANDSCAPE ARCHITECTURE
# LANDSCAPE ARCHITECTURE
# LANDSCAPE ARCHITECTURE MASTER
# COURSE INFORMATION FORM

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Course Title | Recreational Carrying Capacity in Protected Areas | | | | | | | | |
| Course Code | ZPM529 | | Couse Level | Second Cycle (Master's Degree) | | | | | |
| ECTS Credit | 8 | Workload | 200 *(Hours)* | Theory | 3 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | Introducing the benefits and values of protected areas, Giving information about visitor-based problems in protected areas, Teaching the analysis processes related to the carrying capacity dimensions, Introducing the different approaches to visitor management models | | | | | | | | |
| Course Content | In this course, the concepts of recreation and the protected area will be explained and the negative effects of intense recreational activities on natural and cultural resource values of protected areas as well as social pressure on visitors will be explained. At this point, the methods of analysis of carrying capacity will be explained. Visitor management models based on carrying capacity and national parks will be explained. | | | | | | | | |
| Work Placement | N/A | | | | | | | | |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Discussion, Individual Study, Problem Solving | | | | | | | | |
| Name of Lecturer(s) | Assoc. Prof. Tendü Hilal GÖKTUĞ | | | | | | | | |

| Assessment Methods and Criteria | | |
|---|---|---|
| Method | Quantity | Percentage (%) |
| Midterm Examination | 1 | 30 |
| Final Examination | 1 | 40 |
| Term Assignment | 1 | 30 |

| Recommended or Required Reading | |
|---|---|
| 1 | Bo Shelby, Thomas A. Heberlein, Carrying Capacity in Recreation Settings, Oregon State University Press, 1986, ISBN 0870713477, 9780870713477. |
| 2 | Robert E. Manning, Parks and Carrying Capacity, 2007, ISBN: 9781559631044, |
| 3 | William E. Hammitt, David N. Cole, Wildland Recreation: Ecology and Management, John Wiley & Sons, 1998 |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Theoretical | Definition of recreation, classification of recreational activities, purpose of recreation |
| 2 | Theoretical | The history of protected areas, protected area status in Turkey and protected areas features that allow recreation |
| 3 | Theoretical | Values and benefits of protected areas, management of protected areas and management principles |
| 4 | Theoretical | Threats to protected areas and the classification of these threats |
| 5 | Theoretical | Concept of carrying capacity, formation and development process |
| 6 | Theoretical | Physical Carrying Capacity Analysis |
| 7 | Theoretical | Social Carrying Capacity Analysis |
| 8 | Intermediate Exam | Midterm |
| 9 | Theoretical | Social Carrying Capacity Analysis |
| 10 | Theoretical | Ecological Carrying Capacity Analysis |
| 11 | Theoretical | Recreation Ecology Concept |
| 12 | Theoretical | Economic Carrying Capacity Analysis |
| 13 | Theoretical | Management Carrying Capacity |
| 14 | Theoretical | Visitor Management Models |
| 15 | Theoretical | Examination and discussion of case studies |
| 16 | Final Exam | Final Exam |

| Workload Calculation | | | | |
|---|---|---|---|---|
| Activity | Quantity | Preparation | Duration | Total Workload |
| Lecture - Theory | 14 | 10 | 2 | 168 |

| | | | | |
|---|---|---|---|---|
| Term Project | 1 | 6 | 1 | 7 |
| Midterm Examination | 1 | 10 | 1 | 11 |
| Final Examination | 1 | 13 | 1 | 14 |
| | | | Total Workload (Hours) | 200 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 8 |
| **25 hour workload is accepted as 1 ECTS* | | | | |

| **Learning Outcomes** | |
|---|---|
| 1 | to know protected area status and properties in Turkey |
| 2 | to know the threats to protected areas |
| 3 | - to know recreational carrying capacity concept, formation and development process |
| 4 | to know the components of recreational carrying capacity |
| 5 | to know visitor management models |

| **Programme Outcomes** *(Landscape Architecture Master)* | |
|---|---|
| 1 | e |
| 2 | e |
| 3 | e |
| 4 | e |
| 5 | e |

**Contribution of Learning Outcomes to Programme Outcomes** *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

| | L1 | L2 | L3 | L4 |
|---|---|---|---|---|
| P1 | 5 | 5 | 2 | 5 |
| P2 | 5 | 5 | 2 | 5 |
| P3 | 3 | 5 | 3 | 5 |
| P4 | 3 | 5 | 2 | 5 |
| P5 | 2 | 3 | 5 | 5 |