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| **Course Description Form** | |
| **Course Code and Name** | ADS247 Eye and Vision Health |
| **Course Semester** | 1-2 |
| **Catalog Content** | Recognition of the functioning of the visual function, basic eye health and eye and vision health protection concepts will be provided. |
| **Textbook** | 1. Jack Kanski, Brad Bowling. Kanski's Clinical Ophthalmology: A Systematic Approach, 8th Edition; 2015; Imprint: Saunders Ltd. |
| **Supplementary Textbooks** | 1. Genel Oftalmoloji, 17. Baskı, Vaughan ve Asbury, ED: Paul Riordan-Eva, John P. Whitcher, Çeviri ed: Yonca A. Akova, ISBN: 978-975-277304-2, Güneş Tıp Kitabevleri, McGraw-hill, 2010, Orjinal ISBN: 978-0-071-44314-2.  2. Biyofizik, 10. baskı, Ferit Pehlivan, ISBN: 9786055529451, Pelikan Yayınevi, Ankara, 2019.  3. Forrester, J. V., Dick, A. D., McMenamin, P. G., Roberts, F., & Pearlman, E. (2015). *The eye e-book: basic sciences in practice*. Elsevier Health Sciences.  4. Yanoff, M., Duker, J. S., & Augsburger, J. J. (2009). Ophthalmology, 3rd. *Mosby Elsevier*.  5. Klinik Oftalmoloji - Sistematik Yaklaşım, Jack J. Kanski, Brad Bowling, Ed: Ken Nischal, Andrew Pearson; Çeviri Ed: Yonca A. Akova, Güneş Tıp Kitabevleri, 2013. |
| **Credit** | 2 |
| **Prerequisites of the Course**  **(Attendance Requirements)** | At least 70% attendance to the classes for each semester is required according to the regulations .There is no other prerequisite or co-requisite for the course. |
| **Type of the Course** | Elective |
| **Instruction Language** | English |
| **Course Objectives** | This course aims to help students comprehend, the concept of eye and vision health and the conditions affecting it, understand  the genetic and environmental factors affecting the eye health and be informed about protecting the eye health. |
| **Course Learning Outcomes** | Students who complete the course successfully will be able to;  1. Describe the concept of vision  2. Provideinformation about the operation of the visual function  3. Explainthe concept of eye and vision health  4. List the fields related to eye and vision health  5. Explain the protection of eye and vision health |
| **Instruction Methods** | Face to face |
| **Weekly Schedule** | Week 1: Introduction to the concept of vision  Week 2: Anatomical, Physiological, Histological and Biophysical Basics of the Eye  Week 3: The Concept of Eye Health and Genetic Factors Affecting Eye Health  Week 4: The Concept of Eye Health and Environmental Factors Affecting Eye Health  Week 5: Recognition of Basic Eye Diseases  Week 6: Basic Refractive Errors: Myopia, Hyperopia, Astigmatism and Other Refractive Errors  Week 7: Eye Health and Computer Usage  Week 8: Midterm Exam / Eye Health and Nutrition  Week 9: Glasses  Week 10: Contact Lenses  Week 11: Laser Types Used in Ophthalmology  Week 12: Auxiliary Tools Used for Vision  Week 13: Eye and Vision Health Protection  Week 14: Development of Vision Concept  Week 15: Final |
| **Teaching and Learning Methods**  *(These are examples. Please fill which activities you use in the course)* | Weekly theoretical course hours 2 hours  Weekly applied course hours 0 hours  Reading Activities 12 hours  Internet browsing, library work 12 hours  Designing and implementing materials 0 hours  Report preparing 0 hours  Preparing a Presentation 0 hours  Presentations 0 hours  Preparation of Midterm and Midterm Exam 5 hours  Final Exam and Preparation for Final Exam 5 hours |
| **Assessment Criteria** | |  |  |  | | --- | --- | --- | |  | **Numbers** | **Total Weighting (%)** | | Midterm Exams | 1 | 100 | | Assignment | 0 |  | | Application | 0 |  | | Projects | 0 |  | | Practice | 0 |  | | Quiz | 0 |  | | Percent of In-term Studies (%) |  | 40 | | Percentage of Final Exam to Total Score (%) |  | 60 | | Attendance |  |  | |
| **Workload** | |  |  |  |  | | --- | --- | --- | --- | | **Activity** | **Total Number of Weeks** | **Duration (weekly hour)** | **Total Period Work Load** | | Weekly Theoretical Course Hours | 14 | 2 | 28 | | Weekly Tutorial Hours |  |  |  | | Reading Tasks | 12 | 1 | 12 | | Studies | 12 | 1 | 12 | | Material Design and Implementation |  |  |  | | Report Preparing |  |  |  | | Preparing a Presentation |  |  |  | | Presentations |  |  |  | | Midterm Exam and Preperation for Midterm Exam | 1 | 5 | 5 | | Final Exam and Preperation for Final Exam | 1 | 5 | 5 | | Other (should be emphasized) |  |  |  | | Total Workload |  |  | 62 | | Total Workload / 25 |  |  | 2.48 | | Course Credit (ECTS) |  |  | 2 | |
| **Contribution Level Between Course Learning Outcomes and Program Outcomes** |  |
| **The Course’s Lecturer(s) and Contact Informations** |  |