



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Analysis of Science Education Textbooks							
Course Code		FBÖ356		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To comprehend the necessary characteristics of textbooks by learning their development processes.							
Course Content		Physical, educational, visual design and language characteristics and standards for a textbook; suitability of contents of textbooks to the curriculum; analysis of present textbooks with respect to content, language, suitability to students' conditions, format, attractiveness, contribution to meaningful learning, easiness in instruction use, and etc.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Prof. Eylem YILDIZ FEYZİOĞLU							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	1. Ceyhan, E., Yiğit, B. (2003). Konu Alanı Ders Kitabı İncelemesi. Ankara: Anı Yayıncılık.
2	2. Heinich, R., Molenda, M., Russell, J. D., & Smaldino, S. E. (2002). Instructional media and technologies for learning. 7th ed., New Jersey: Merrill Prentice-Hall.
3	3. Kılıç, A., Seven, S. (2003). Konu Alanı Ders Kitabı İncelenmesi. Ankara: Pegem Yayıncılık.
4	4. Kılıç, Z., Atasoy, B., Tertemiz, N., Şeren, M., Ercan, L. (2001). Konu Alanı Ders Kitabı İnceleme Kılavuzu Fen Bilgisi 4-8. Ankara: Nobel Yayın Dağıtım.
5	5. Köseoğlu, F., Atasoy, B., Kavak, N., Akkuş, H., Budak, E., Tümay, H., Kadayıfçı, H., & Taşdelen, U. (2003). Yapılandırıcı Öğrenme Ortamı İçin Bir Ders Kitabı Nasıl Olmalı. Ankara: Asil Yayıncılık.
6	6. Küçükahmet, L. (2016). Konu Alanı Ders Kitabı İnceleme Kılavuzu, Nobel Akademik Yayıncılık.

Week	Weekly Detailed Course Contents	
1	Theoretical	1 How to make a systematic literature search about the evaluation of textbooks
2	Theoretical	2 Explanation of the characteristics of printed materials as a teaching and learning material
3	Theoretical	3 Text style (conceptual change text, refutational text, user friendly text, ideal text) Ancillary books (student book, teacher book, workbook, lab manual, etc.)
4	Theoretical	4 How to select a textbook? Role of textbook in an instruction
5	Theoretical	5 Presentation of topics in textbooks (order of topics, interactivity, style of presentation)
6	Theoretical	6 Problems and evaluation of textbooks in Turkey. Problems and evaluation of textbooks abroad.
7	Theoretical	7 Gender issues in textbooks
8	Intermediate Exam	midterm
9	Theoretical	8 KWL ve SQ3R: How to use textbooks?
10	Theoretical	10 Development of a checklist for the evaluation of textbooks. The analysis of a textbook written by M.O.E by using the checklist.
11	Theoretical	11 The analysis of a textbook written by M.O.E by using the checklist.
12	Theoretical	12 The analysis of a textbook written by M.O.E by using the checklist.
13	Theoretical	13 The analysis of a textbook written by M.O.E by using the checklist.
14	Theoretical	14 The analysis of a textbook written by M.O.E by using the checklist.
15	Theoretical	15 Discussion of analysis and evaluation of textbooks and revision of checklist.
16	Final Exam	final

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	2	70
Term Project	1	10	0	10



Midterm Examination	1	10	0	10
Final Examination	1	10	0	10
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	At the end of the semester, students will be able, 1. to undertake literature search about textbook analysis.
2	2. to list factors to be considered when evaluating textbooks.
3	3. to be able to evaluate a textbook
4	4. to determine the problems that exist in science and math textbooks.
5	5. to choose a textbook according to the criteria.
6	6. to use a textbook effectively in an instruction.

### Programme Outcomes (Science Teacher Education)

1	To be able to gain subject knowledge of profession in theory and practice in the learning process.
2	To be able to gain the competence of using the appropriate approach, strategy, method and technique for the instructional plans to be prepared in the learning process.
3	To be able to gain the skills of the teaching profession in the learning process.
4	To be able to implement teaching profession knowledge, skills, attitudes and habits related to the subject-matter in a real teaching and learning environment in the learning process.
5	To be able to comprehend contemporary approaches of education and the philosophy they are based on.
6	To be able to gain the basic skills such as comprehending, expressing, commenting, evaluating, being aware and enterprising, communicating, acknowledging the individual related to the subject-matter.
7	To be able to become individuals faithful to the Principles and Revolutions of Atatürk, be modern democratic, secular, protecting and developing one's country, being alive to the nation, respecting human rights, preserving the nature, not being discriminatory, giving importance to the traditions and customs, protecting the values
8	To be able to improve oneself in terms of sport, art and culture.
9	To be able to become individuals believing in lifelong learning.
10	To be able to gain the vision of being individuals who keep up with developments in social, economic, technological and scientific areas, who investigate the main reasons of World problems and try to contribute to the solutions of these problems.

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

	L1	L2	L3	L4	L5	L6
P1	5	4	5	5	5	5
P2	4	5	4	4	4	4
P3	5	4	5	5	5	5
P4	4	5	4	4	4	4
P5	5	4	4	5	5	5
P6	4	5	5	4	4	4
P7	5	4	4	5	5	5
P8	4	5	5	4		5
P9	5	4	4	5	4	4
P10	4	4	5	4	5	5

