SCALE DEVELOPMENT AND APPLICATION FOR SOCIAL SCIENCES

1	Course Title:	SCALE DEVELOPMENT AND APPLICATION FOR SOCIAL SCIENCES
2	Course Code:	YBS5124
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	3.00
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:	Dr. Ögr. Üyesi FATİH GÜRSES
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	
17	Website:	
18	Objective of the Course:	The aim of the course is to provide students with the ability to do the basic processes of developing and adapting measurement tools used in the research process, item analysis techniques and validity and reliability studies.
19	Contribution of the Course to Professional Development:	Students will have the ability to learn and apply the scale development process in social sciences, problems that may be encountered, steps to be followed, and statistical methods that can be used.
20	Learning Outcomes:	

	1	To discuss the basic concepts of scale and scaling
	2	To gain knowledge of the types of measurement tools used in the research process
	3	Apply classical and modern methods in scale development
	4	To be able to evaluate the validity and reliability of the measurement tools to be used
	5	To be able to evaluate the data collected with the developed measurement tools
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction	
2	Scale Development Process From Scratch	
3	Scale Adaptation Process	

4	Survey and Scale Difference	
5	Scale types and Likert type scales	
6	Validity: Explanatory Factor Analysis	
7	Validity: Confirmatory Factor Analysis	
8	Reliability 1	
9	Reliability 2	
10	Introduction to SPSS and the suitability of the data set to factor analysis 1	
11	Introduction to SPSS and the suitability of the data set to factor analysis 2	
12	Determining the number of factors	
13	Reliability analysis	
14	Reporting the results	

22	Textbooks, References and/or Other Materials:	Karagöz, Yalçın; Bardakçı , Sait, Bilimsel Araştırmalarda Kullanılan Ölçme Araçları ve Ölçek Geliştirme, Nobel Yayıncılık, 2020.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Measurement and Evaluation Techniques Used in the Course		Relative Evaluation

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	0	0.00	0.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	25.00	25.00
Others	0	0.00	0.00
Final Exams	1	40.00	40.00
Total Work Load			118.00
Total work load/ 30 hr			3.10
ECTS Credit of the Course			3.00

25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS

	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	3	5	2	3	3	4	4	4	5	5	0	0	0	0	0	0
ÖK2	3	5	3	4	4	4	5	4	5	4	0	0	0	0	0	0
ÖK3	5	5	3	3	3	4	4	5	4	5	0	0	0	0	0	0
ÖK4	2	3	4	3	4	2	1	5	5	5	0	0	0	0	0	0

ÖK5	2	2	4	5	3	4	1	5	5	5	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**