



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Principles of Plant Taxonomy							
Course Code		BİO601		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	175 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Learning of international code of botanical nomenclature and its main principles							
Course Content		Botanical code is constituttion of plant taxonomy. Developments in biological sciences create new approaches to species concepts and these modified approaches are evaluated by international botanical congress							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	GREUTER, W., MCNEILL, J., BARRIE F.R., BURDET, H.M., DEMOULIN, V., FILGUEIRAS, T.S., NICOLSON, D.H., SILVA, P.C., SKOG, J.E., TREHANE, P., TURLAND, N.J. ve HAWKSWORTH, D.L. 2000 International code of Botanical Nomenclature. Sixteenth International Botanical Congress
2	J. MCNEILL, F. R. BARRIE, H. M. BURDET, V. DEMOULIN, D. L. HAWKSWORTH, K. MARHOLD, D. H. NICOLSON, J. PRADO, P. C. SILVA, J. E. SKOG, J. H. WIERSEMA, N. J. TURLAND, 2006, International Code of Botanical Nomenclature, Vienna 2005
3	Updated nomenclatural codes by international botanical congress

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to nomenclature
2	Theoretical	Main principles and rules
3	Theoretical	Taxa and ranks
4	Theoretical	Typification and concept of priority
5	Theoretical	Naming taxa
6	Theoretical	Names of cultivated plants and organisms under botanical code
7	Theoretical	Effective and valid publication
8	Intermediate Exam	Midterm exam
9	Theoretical	Recommendations for citing authors
10	Theoretical	Rejection of names
11	Theoretical	Orthography and gender of names
12	Theoretical	Rules for botanical code
13	Theoretical	Names of hybrids, Nomina familiarum algarum, fungorum, pteridophytorum et fossilium
14	Theoretical	Updated parts because of modifications

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	8	5	0	40
Reading	10	5	0	50
Midterm Examination	1	10	2	12



Final Examination	1	15	2	17
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Learns rules of plant naming
2	Comprehends universal rules and traditions of botanical nomenclature
3	They can develop approaches to solve nomenclatural problems
4	Learns novelties in plant nomenclature
5	

### Programme Outcomes (Biology Doctorate)

1	To have enough scientific background knowledge towards a specific study and research area
2	To have an ability to identify, evaluate and develop a solution for a problem on biological aspects
3	To be able to evaluate scientific observations and results of experiments using statistical analysis methods
4	To have basic skills in areas related to field of biological studies
5	To have the ability to develop cooperation with different disciplines with the high level of social communication required for studies
6	To have knowledge of technology and use of methods and means used in biological researches
7	To have an ethical understanding which will be a guide for their investigations and publications
8	For PhD; to have European Language Portfolio C1 general level language skill
9	To be able to present and discuss own research results in accordance with scientific discipline using technological tools in scientific research environments
10	To be able to detect and evaluate economic and social impacts of an own original research results
11	To be equipped with ability of carrying out independent study in biological field
12	To be able to publish at least one an international/national peer reviewed scientific paper and/or produce or interpret an original work related to biology in order to expand the frontiers of knowledge
13	To be able to develop new approaches or adaptations to be used in solving scientific and biological problems
14	To be able to develop new understanding and approaches in order to explain a new phenomenon or a biological event under investigation
15	To have abilities and experience to create new search area through inspiration gained from subject searched

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

	L1	L2	L3	L4	L5
P1	5				
P2		2	2		
P4					2
P6				5	
P14				5	

