SPECIAL GROWING AND BREEDING OF STARCH AND SUGAR PLANTS

1	Course Title:	SPECIAL GROWING AND BREEDING OF STARCH AND SUGAR PLANTS
2	Course Code:	TAB 5035
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
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:	Prof. Dr. Mehmet Sincik
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	e-posta: sincik@uludag.edu.tr Tel: 0 224 2941522 Bursa Uludağ Üniversitesi Ziraat Fakültesi Tarla Bitkileri Bölümü, 16059, Bursa.
17	Website:	
18	Objective of the Course:	To familiarize students with the principles of cultivation and breeding techniques of starch and sugar crops in the world and our country
19	Contribution of the Course to Professional Development:	The students who take this course will comprehend the principles of growing and breeding techniques of starch and sugar crops in the world and in our country.
20	Learning Outcomes:	

	1	Understanding and the importance of starch and sugar crops
	2	Make a comment and ability to solve the problems that occurred during the production of starch and sugar crops
	3	Gain knowledge about structure of starch and sugar crops
	4	Gain knowledge about production potentials of starch and sugar crops on the basis of region
	5	Make production modeling and synthesis of starch and sugar crops in which the production of the varieties grown
	6	Gain knowledge about breeding of starch and sugar crops
	7	
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	10	

21	Course Content:	

Course Content:	

Week	Theoretical	Practice
1	The importance and uses of sugar	
2	World sugar production and use of raw materials	

3	Sugar and sugar beet production and its problems in Turkey	
4	Morphological properties of sugar beet	
5	Climate, soil, nutrient requirements, watering, fertilizing and maintenance operations of sugar beet	
6	Definitions of important pests and diseases of sugar beet	
7	The sugar beet harvest and storage	
8	Sugar beet breeding methods	
9	The production of potato in the world and our country	
10	Usage and quality of potatoes	
11	Morphological structures and systematics of potato species	
12	Modern potato growing technique	
13	Harvesting and storage of potatoes	
14	Potato breeding methods	

22	Textbooks, References and/or Other Materials:	1. Nişasta ve Şeker Bitkileri ve Islahı. F.İNCEKARA. E.Ü. Ziraat Fakültesi Yayınları No:101.Bornova, İzmir. 2.Şeker Pancarının Fizik ve Kimyası. Türkiye Şeker Fab. A.Ş. Yayınları No:208, Ankara.

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	4	5.00	20.00
Homeworks	0	0.00	0.00
Projects	1	30.00	30.00
Field Studies	4	8.00	32.00
Midterm Exams	0	0.00	0.00
Others	3	2.00	6.00
Final Exams project	1	50.00	50.00
Total Work Load			180.00
Total work load/ 30 hr			6.00
ECTS Credit of the Course			6.00

23	TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
	Midterm Exam	0	0.00
	Homework-project	0	0.00

Success Grade	
Contribution of Final Exam to Success Grade	100.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	Measurement and evaluation is carried out according to the principles of Bursa Uludağ University Postgraduate Education and Training Regulation.

24	ECTS / WORK LOAD TABLE

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	4	4	4	4	3	4	3	3	3	3	0	0	0	0	0	0

ÖK2	4	5	5	5	3	4	4	3	3	4	0	0	0	0	0	0
ÖK3	4	3	3	3	4	4	3	3	3	3	0	0	0	0	0	0
ÖK4	4	4	4	4	3	4	4	3	3	4	0	0	0	0	0	0
ÖK5	5	5	5	5	5	4	4	4	4	5	0	0	0	0	0	0
ÖK6	5	5	4	4	4	5	4	4	4	5	0	0	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contrib ution Level:	1 very low	2 low	3 Medium	4 High	5 Very High