

## PRODUCTION OF ECOSYSTEMS AND FORMS OF THEIR REGULATION (MsC) 2018/2019

<b>Data</b>	<b>Lectures</b> (2 hours+1 hour homework): Monday 8-9.45 h, G6)	
3. September	Introduction	Bernáth
10. September	Sun energy and its utilization	Bernáth
17. September.	Photosynthesis and modification factors	Bernáth
24. September.	Role of light in growth and development	Bernáth
1. October	Distribution of thermal energy and its effect on vegetation and biomass production	Bernáth
8. October	Effect of temperature on growth and development	Bernáth
15. October	Ecological role of water supply	Bernáth
22. October	-	-
29. October	Composition, movement of air and their effect on production	Bernáth
5. November	Role of macro and micro elements	Bernáth
12. November	Biotic factors plant-plant interactions	Bernáth
19. November	Biotic factors, plant-fungi; plant animal interactions	Bernáth
26. November	Stress as factor modifying production	Bernáth
3. December	Types of artificial eco-systems	Bernáth

Precondition of fulfilling the course: not more than three absences from the lectures

Assay: 5-7 pages essay in connection of one of the themes of lectures and the personal subject of diploma work (At list 20 literature references and 15 of them should be journal articles)

Exam: oral

Budapest, 30/08/2018

Prof. Dr. Jenő Bernáth

