

PRODUCTION OF ECOSYSTEMS AND FORMS OF THEIR REGULATION (MsC) 2020/2021

Data	Lectures (2 hours+1 hour homework): Monday 8-9.45 h, e-learning)	
7. September	Introduction	Bernáth
14. September	Sun energy and its utilization	Bernáth
21. September.	Photosynthesis and modification factors	Bernáth
28. September.	Role of light in growth and development	Bernáth
5. October	Effect of external factors on the photosynthesis	Bernáth
12. October	Distribution of thermal energy and its effect on vegetation and biomass production	Bernáth
19. October	Effect of temperature on growth and development	Bernáth
26. October	-	
2. November	Ecological role of water supply	Bernáth
9. November	Composition, movement of air and their effect on production	Bernáth
16. November	Role of macro and micro elements	Bernáth
23. November	Biotic factors plant-plant interactions	Bernáth
30. November	Biotic factors, plant-fungi; plant animal interactions	Bernáth
7. December	Stress as factor modifying production	Bernáth
9. 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), deadline for essay 09/12/2019.

Exam: oral (exam questions is provided)

Budapest, 031/08/2020

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