

## Biodiversity and its measurement (MKT1207)

### Thematics

Week	Subject	Remarks
1.	Requirements and Thematics. Introduction to Conservation biology. Biodiversity.	
2.	Where is the World's Biodiversity found. Valuing Biodiversity. Extinction. Vulnerability to Extinction	
3.	Habitat Destruction, Fragmentation and Degradation. Overexploitation. Invasive Species. Disease. Identifying bird species in the field	
4.	Problems of small populations. Monitoring populations Common bird species of the forest	
5.	Biodiversity Monitoring. Types of monitoring. Designing monitoring systems. Common bird species of the wetland	
6.	Citizen science: data collection by volunteers. New and changing use of technologies in monitoring Common bird species of the farmland	
7.	Bird Monitoring in Hungary – tool for Biodiversity Monitoring Common bird species of the urban area	
8.		
9.	Monitoring of forest birds	
10.	Monitoring of wetland birds	
11.	Monitoring of urban birds	
12.	Monitoring of farmland birds	

13.	Integrated monitoring of sand martin (four hours)	
14.	Integrated monitoring of sand martin (four hours)	

### Requirements

<b>Credit:</b>	3
<b>Participation</b>	Compulsory
<b>Requirements:</b>	Accomplishment of mid-term tests
<b>In class test/mark:</b>	0-49 % mark 1 50-59 % mark 2 60-79 % mark 3 80-89 % mark 4 90-100 % mark 5
<b>Sources:</b>	Primack R. B. 2010. Essentials of Conservation Biology. Macmillan Science  Hill D., Fasham M., Tucker G., Shewry M., Shaw P. 2005. Handbook of Biodiversity Methods_ Survey, Evaluation and Monitoring-Cambridge University Press

	<p>Vorisek P, Klvanova A, Wotton S, Gregory RD (2008) A Best Practice Guide for Wild Bird Monitoring Schemes.</p> <p>Allard A., Carina E., Keskitalo H., and Brown A. (eds) 2023. Monitoring Biodiversity Combining Environmental and Social Data. Routledge/Taylor &amp; Francis.</p> <p>Kindt R and Coe R. 2005. Tree diversity analysis. A manual and software for common statistical methods for ecological and biodiversity studies. Nairobi: World Agroforestry Centre (ICRAF).  <a href="https://www.worldagroforestry.org/output/tree-diversity-analysis">https://www.worldagroforestry.org/output/tree-diversity-analysis</a></p>
<p><b>Web:</b></p>	<p><a href="http://zeus.nyf.hu/~szept/kurzusok.htm">http://zeus.nyf.hu/~szept/kurzusok.htm</a></p> <p><a href="https://pecbms.info/">https://pecbms.info/</a></p> <p><a href="https://www.worldagroforestry.org/output/tree-diversity-analysis">https://www.worldagroforestry.org/output/tree-diversity-analysis</a></p>