

# Management of Protected Forests

**Lecturer:** Prof. Dr. Botond Gergely Király

**Institute:** University of Sopron, Faculty of Forestry, Institute of Silviculture and Forest Protection

**Course code:** EG128-000A0

**Credit points:** 5

**Time table:** Lecture:2/Lab:3

**Language:** English

## Course description

### Topics

**Lectures:** Type of protected forests. Legislative regulation of protected forests. Tasks and means of ecology-based silviculture. Regeneration of protected forests. Selective and selection cutting. Special techniques of the silviculture. Establishment of semi-natural forest stands. Planning of silviculture of protected forests.

**Practice:** Management planning both in field and lab. Techniques of natural regeneration of forests. Selective cutting. Group shelterwood cutting.

### References

1. Borhidi A., Kevey B., Lendvai G. (2012): Plant communities of Hungary. Akadémiai Kiadó, Budapest, 544 pp.
2. Botta-Dukát Z. (2008): Invasion of alien species to Hungarian (semi-) natural habitats. Acta Bot. Hung. 50(Suppl.): 219-227.
3. Érdi R., Zsembery Z., Gyalog G. (2009): Facts & Figures on protected sites in Hungary. Accessible online: [http://www.termeszetvedelem.hu/index.php?pg=menu\\_2206](http://www.termeszetvedelem.hu/index.php?pg=menu_2206)
4. Keresztesi B. (ed.) (1991): Forestry in Hungary: 1920-1985. Akadémiai Kiadó, Budapest, 478 pp.
5. Matthews, J. (1991): Silvicultural Systems. Oxford University Press, Oxford, 296 pp.
6. Mezösi G. (2016): The Physical Geography of Hungary. Springer International Publishing, 334 pp.
7. Molnár Zs., Biró M., Bartha S., Fekete G. (2012): Past Trends, Present State and Future Prospects of Hungarian Forest-Steppes. In: Werger, MJA, van Staalduinen, MA (eds.): Eurasian Steppes. Ecological Problems and Livelihoods in a Changing World. Springer, Dordrecht, Heidelberg, New York, London, pp. 209-252.
8. Puettmann, K.J, Coates, K. D., Messier, C. Ch. (2008): A Critique of Silviculture: Managing for Complexity. Island Press, USA, 189 pp.
9. Rédei K., Csiha I., Keserű Z., Végh A. K., Győri J. (2011): The Silviculture of Black Locust (*Robinia pseudoacacia* L.) in Hungary: a Review. South-East Eur For 2 (2): 101-107.
10. Solymos R. (1993): Improvement and silviculture of oaks in Hungary. Ann. For. Sci. 50: 607-614.