

## COURSE DESCRIPTION

Course code	Volume in ECTS credits	Institution	Faculty	Department
MIS8013	7	VMU	Forest sciences and ecology	Institute of forest management and wood science

### Course title in Lithuanian

Miško ekonomika

### Course title in English

Forest economics

Study methods	Volume in ECTS credits
Lectures	2
Consultations	1
Seminars	-
Individual work	4

### Short course annotation in Lithuanian (up to 500 characters)

Kursas skirtas pagilinti žinias apie Lietuvos, Europos bei pasaulio miškų išteklius, valstybinius ir privačius miškus, miško ūkio ekonominius ir finansinius pagrindus, miško ūkio gamybos procesus, gamybos veiksnius, gamybos išlaidas, miško productų kainodarą, mokesčius, miškų ekonominę vertinimą, šiuolaikinius miško ūkinių sprendimų priėmimo metodus.

### Short course annotation in English (up to 500 characters)

The course is designed to provide knowledge about the forest resources in Lithuania, Europe and all over the world, public and private forest resources, economic and financial principles of forestry, production processes in forestry, factors of production, costs of production, pricing of forest products, taxes, economic valuation of forests, modern methods of decision making in forestry.

### Relevance of the course

When strategical or tactical forestry decisions are being made, the need for economic justification of the choice is important, especially in market economy. After completion of the course, PhD students will have knowledge and skills to understand and evaluate possibilities to use economic methods for forestry decision making.

### Course aims

Provide the knowledge about economic methods as well as about their use and adaptation in forestry, ability to systemize and assess economic methods that are used in forestry.

### Content (topics) and methods

1. Introduction to forest economics.
2. Forestry organization.
3. Economic-financial regulation of forestry.
4. Planning in forestry.
5. Accounting in forestry.
6. Factors of production in forestry.
7. Forest products market research.
8. Costs of production in forestry.
9. Pricing of forest products.
10. Economic valuation of forest resources.
11. Economic aspects of multi-purpose forestry.
12. Economics of sustainable forestry.

13. Economic analysis of forestry.

**Structure of cumulative score and value of its constituent parts**

Individual assignment - 30%; final exam - 70 %

**Compulsory reference materials**

No.	Authors of publication, title, publishing house, year of publication.
1.	Buongiorno J., Gilles J. 2003. Decision methods for forest resource management. San Diego: Elsevier Science. 440 p.
2.	Duerr W. 1993. Introduction to Forest resource Economics. New York: McdGraw–Hill. 486 p.
3.	Klemperer W. 1996. Forest Resource Economics and Finance. New York: McGraw–Hill. 552 p.
3.	Price C. 1989 The Theory and Application of Forest Economics. OX-ford. 402 p.
4.	Zhang D., Pearse P.H. 2011. Forest Economics. Canada: Vancouver, Toronto. 380 p.
5.	G. Činga, R. Deltuvas, A. Kuliešis, R. Mankus, J.A. Mažeika, G. Mozgeris, M. Puodžiūnas, A. Rutkauskas, A. Tebėra, D. Vitunskas; sudarytojas Juozapas Algirdas Mažeika. Miško naudojimas ir logistika: vadovėlis, Lietuvos žemės ūkio universitetas. Miškų fakultetas. Miškotvarkos katedra. Akademija (Kauno r.): Lietuvos žemės ūkio universitetas, 2008. 399 p.

**Supplementary reference materials**

No.	Authors of publication, title, publishing house, year of publication.
1.	Adamowicz W., Boxall P., Luckert M., Phillips W., White W. 1996. Forestry, Economics and the Environment. Guildford: Biddles Ltd. 276 p.
2.	Čiegis. R. 2009. Gamtos išteklių ir aplinkos ekonomika. Klaipėda: Klaipėdos universiteto leidykla. 772 p.
3.	Martinkus B., Žilinskas V. 2008. Ekonomikos pagrindai. K.: Technologija. 790 p.
4.	Miško žemių ekonominis vertinimas. 1975. V.: LMA EI. 192 p.
5.	Mizaras S. 2002. Ekonominiai metodai miškų ūkyje. K.: Lututė. 114 p.
6.	Mizaras S. 2012. Miškininkavimo ekonominė analizė. Akademija. 112 p.
7.	Moksliniai žurnalai: Miškininkystė, Baltic forestry, Žemės ūkio mokslai, Forest Policy and Economics, Forest Science, Scandinavian Journal of Forest Research, Journal of Forest Economics.
8.	Statistikos metraščiai: Miškų urėdijų veiklos rodikliai, Lietuvos miškų ūkio statistika.
9.	Duomenų bazės: FAO, Eurostat.

**Course programme designed by**

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