



Course title: Bachelor seminar

Form of teaching: practices– 26 hrs., 5p. ECTS; total – 26 hrs., 5p. ECTS

Course completion requirements : practices –evaluation of activity, evaluation of presentation the results of diploma thesis, written diploma bachelor thesis

Language of instruction: English

1. Short description, objectives:

Objective of bachelor seminar is to provide the students the knowledge and skills which enable them to write diploma bachelor thesis. Student learns to create bibliography and to collect source materials during laboratory and field work. Student learns methods of verifying and compiling the data source, formulation of the main goals of diploma thesis. Student learns to report thesis content – use data visualization and use correct language. Students learn mutual appraise of presented diploma thesis.

2. Prerequisites:

1. Reading and writing in English,
2. Basic knowledge learned from Climatology Studies in English,
3. Preparing of multimedia presentations,

3. Learnin outcomes

The area of education in the natural sciences. General academic profile.

W01 - defines term “monographic thesis” (14K-1A_W04, 14K-1A_W12)

W02 - performs general rules of scientific paper composition (14K-1A_W07, 14K-1A_W12)

W04– knows the citations rules of source materials in the paper (14K-1A_W12)

U01 – has the ability to gain and to use different source materials for the purpose of monograph (14K-1A_U04, 14K-1A_U06, 14K-1A_U09)

U02 - designs graphics background of the diploma thesis (14K-1A_U09)

U03 - get skills of statistical and climatological analysis of meteorological measurements on urbanized areas and presents results in the form of a report or a research article (14K-1A_U05, 14K-1A_U07)

U04 - get skills of presentation the results of his work (14K-1A_U07)

U05 – get skills of justification their ideas, formulation of logical opinions on the base of information from different sources and critical analysis and selection of information, particularly from internet sources (14K-1A_U06, 14K-1A_U07, 14K-1A_U08)

K01 - understands of needs for continuous education for all life (14K-1A_K01)

K02 – able to work and interact in a group (14K-1A_K05)



4. Course description:

- 1) Definition of the geographical monograph.
- 2) Discussion about the general principles of writing work-the composition of the paper, types of source materials, methods of literature citation in the text, general principles of editing, graphical proposals in studies on the theses topics.
- 3) Presentation of selected methods for studies on individual components of the geographical environment.
- 4) Student's preparation and presentation of the outline of the diploma thesis content-geographical monograph and formulating the main theses of the development. Student's presentation of the thesis literature review. Presentation composition plan of the diploma thesis. Presentation of at least two chapters of the thesis and mutual evaluation of the paper content.

5. Course evaluation

- 1) projects evaluation (U01-U05) – 20% total score
- 2) evaluation of activity (K01-K02) – 10% total score
- 3) written diploma bachelor thesis - 70% total score

6. Teaching methods

Teaching methods: lecture, multimedia presentations, discussion, work with the source material (book, article), methods of practical exercises, auditorium

7. Recommended reading list

- [1]. Scientific journals in the field of climatology and physical geography (e.g. International Journal of Climatology, International Journal of Biometeorology, Boundary Layer Meteorology, Theoretical and Applied Climatology, Atmospheric Environment, Journal of Geography, Journal of Geographical Sciences, Journal of Geographical Systems, Applied Geography, Geosphere, Geosciences Journal, Global Environmental Change – Human and Policy Dimensions)