Graduate Research Seminar

MFFAT720002

Hidrogeológus mérnöki mesterszak, Szénhidrogén-kutató földtudományi mérnöki mesterszak

2020/21 I. félév

Olajmérnök mesterszak

2020/21 II. félév

TANTÁRGYI KOMMUNIKÁCIÓS DOSSZIÉ

Miskolci Egyetem
Műszaki Földtudományi Kar
Ásványtani-Földtani Intézet

Course Title: Graduate research seminar (Optional courses I.)	**Credits: 2**

Type (lec. / sem. / lab. / consult.) and Number of Contact Hours per Week: **sem. 2**

Neptun code: MFFAT720007

Type of Assessment(exam. / pr. mark. / other):**pr. mark**
During the semester the following tasks should be completed: short presentation of the selected topic, outline and references (20%), elaboration of the concept map of the article (20%), submission of first draft (15%), submission of the final text (20%), ppt presentation of the topic in 10 minutes (25%).
Grading limits:
>80%: excellent,
70-79%: good,
60-69%: medium,
50-59%: satisfactory,
<50%: unsatisfactory.

Position in Curriculum (which semester): **first**

Pre-requisites *(if any)*:

Course Description:

Acquired store of learning:
Study goals:To introduce the methods of information gathering and evaluation, formal and ethic requirements of scientific communication, rules for preparation of oral and poster presentations. During the course these general requirements are actualized to the field of earth science and engineering. Examples and excercises will use English publications and text materials.
Course content:Editorial and formal requirements of scientific publications. Planning of the concept and structure of a scientific publication, making an outline, development of a concept map. Usage of references, reference styles. Etics of scientific writing: how to avoid plagiarism, usage of citations. Information sources provided by the Central Library: hard copy, catalogue search, electronic resources. Usage of electronic information resources: search options, simple and combined search, electronic libraries. Data visualization: graphs, figures, tables. The art of presentation: preparation for an oral contribution. The art of presentation: preparation of a poster.
Education method:Completion of a 3-4 pages paper on a specified topic from petroleum geoscience. It should be a literature summary with at least one table and one figure. The paper should fulfil all formal requirements of a scientific paper. Completion of a 5-minutes presentation on the above mentioned specified topic. It should be presented for the class audience.
Competencies to evolve:
T1, T5, T8, T12, K1, K2, K3, K5, K6, K7, K8, K9, K10, K11, A2, A3, A4, A5, A6, A7, A8, A9, F1, F2, F3, F4, F5

The 3-5 most important compulsory, or recommended **literature** (textbook, book) **resources**:

- L. C. Perelman, J. Paradis, and E. Barrett: The Mayfield Handbook of Technical and Scientific Writing (McGraw-Hill, 2001).
- G. J. Alred, C. T. Brusaw, and W. E. Oliu: Handbook of Technical Writing, (St. Martin's, New York, 2003).
- Hagan P; Mort P: Report writing guideline for mining entógineers. Mining Education Australia, 2014.
- Chun-houh Chen, Wolfgang Härdle, Antony Unwin (eds.) Handbook of Data Visualization (Springer, 2008).
- MEA Report writing guide. https://www.engineering.unsw.edu.au/mining-engineering/sites/mine/files/publications/MEA_ReportWritingGuide_eBook_2018ed.pdf
- ISO 690-2: Information and documentation - Bibliographic references.

Responsible Instructor(*name, position, scientific degree):*
Ferenc Mádai Dr., associate professor, PhD

Féléves órabeosztás 2020/21 I. félév

péntek, 11-13, Pettkó terem.

2020.09.11	hallgatók beérkezésének csúszása miatt később indul
2020.09.18	introduction, program, assignments, literature
2020.09.25	data gathering: central library, databases
2020.10.02	data gathering: faculty libraries,laboratories
2020.10.09	individual work, finding of topic, literature overview
2020.10.16	individual topic introduction
2020.10.23	szünet
2020.10.30	text development, conceptualization, visualization (lecture)
2020.11.06	referencing rules, first draft submission deadline
2020.11.13	presentation, poster presentation (lecture)
2020.11.20	individual preparation (text development and presentation)
2020.11.27	individual preparation (text development and presentation)
2020.12.04	individual presentation part 1
2020.12.11	individual presentation part 2, submit of final article

A tárgyhoz kapcsolódó előadás anyagok, tananyagok és a szükséges háttér információ (cikk sablon stb.) letölthető a tantárgy Moodle oldaláról:

Moodle: http://edu.uni-miskolc.hu/edu/ Műszaki Földtudományi Kar ⇨ Ásványtani-Földtani Intézet ⇨ MFFAT720002

Minta a beadandó feladat elkészítéséhez

Title

Author[1]

[1]*affiliation, e-mail*

Abstract

Blabla blabla blabla justified, maximum 100 words

Keywords: keyword1, keyword2, keyword3

Introduction

Blabla blabla blabla first paragraph

Blabla blabla blabla second paragraph

Blabla blabla blabla third paragraph

Etc.

Chapter One

Blabla blabla blabla first paragraph

Blabla blabla blabla second paragraph

Blabla blabla blabla third paragraph

This is an equation:

$$1+1=2 \qquad (1)$$

Blabla blabla blabla

Table 1. *Title of the table*

heading1	***heading2***	***heading3***	***heading4***	***Heading5***
Row1	Data1	Data3	data5	Data7
Row2	Data2	Data4	Data6	data8

Blabla blabla blabla

Chapter Two

Blabla blabla blabla first paragraph

Blabla blabla blabla second paragraph

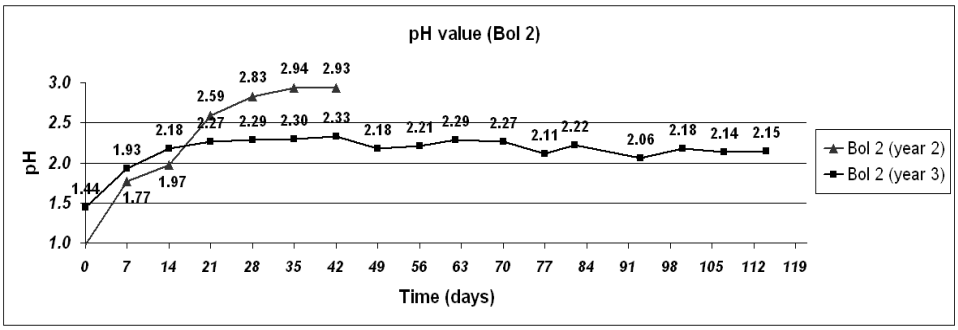

Figure 1. *Title of figure*

Blabla blabla blabla third paragraph

Blabla blabla blabla fourth paragraph

Etc…

Summary

Blabla blabla blabla first paragraph

Blabla blabla blabla second paragraph

References

Chance FM (1948/a) Tin-silver veins of Oruro, Bolivia /Part1/. Economic Geology Vol. 43, No.5, p 333-383

Chance FM (1948/b) Tin-silver veins of Oruro, Bolivia /Part2/. Economic Geology Vol. 43, No.6, p 435-470

Lapakko K (2003) Chapter 7 – Developments in humidity-cell tests and their application. In Jambor JL, Blowes DW, Ritchie AIM (eds): Short Course Handbook on Environmental aspects of mine wastes. Mineralogical Association of Canada Short Course. Vol. 31, pp. 147-164

Moricz F, Walder I, and Madai F (2009) Geochemical and Mineralogical Characterization of Waste Material from the Itos Sn-Ag Deposit, Bolivia. 8th ICARD Proceedings

Moricz F, Walder I, and Madai F (2010) Kinetic testing and mineralogical characterization of sulphide mine waste from the Oruro deposit (Bolivia). 20th International Mineralogical Association Proceedings

Seal RR, Hammarstrom JM (2003) Chapter 2 – Geoenvironmental models of mineral deposits: Example from massive sulphide and gold deposits. In Jambor JL, Blowes DW, Ritchie AIM (eds): Short Course Handbook on Environmental aspects of mine wastes. Mineralogical Association of Canada, Vol31, pp. 11-51

Walder I (2009) Hydrogeological and geochemical processes in waste rocks. 8th ICARD Proceedings

Walder I, Victoria J, Boon RGJ, Walder P (2010) Characterization and mitigation of the Ag-Sn San Jose Mining District, Bolivia. 20th International Mineralogical Association Proceedings

Értékelő űrlap a beadott 4 oldalas dolgozathoz

GRS Evaluation sheet for the submitted 4-pages paper

Name: ..... topic: .....

1. is the concept of the paper clear, well-reasoned? (15%) .....
2. Quality of introduction (10%) .....
3. Proportionality of chapters (10%) .....
4. Quality of summary (10%) .....
5. Coherence of the text, quality of wording (10%) .....
6. Citations at points where necessary (15%) .....
7. quality of the citation method (5%) .....
8. quality of references (10%) .....
9. table formatting (5%) .....
10. graphics formattion (5%) .....
11. grammar (5%) .....

Értékelő űrlap a prezentációhoz

GRS evaluation sheet for presentation

name: ..... topic: .....

1. is the concept of the presentatio clear, well-reasoned? (15%) .....
2. quality of introduction, scoping (10%) .....
3. proportionality of chapters (10%) .....
4. quality of summary, conclusion (5%) .....
5. free speach (10%) .....
6. contact with the audience (10%) .....
7. avoiding of disturbing gestures (5%) .....
8. readibility of ppt slides (10%) .....
9. quality of graphical elements (10%) .....
10. esthetic appaarance of the ppt slides (5%) .....
11. fitting in time frame (10%) .....