Close-range photogrammetry - BMEEOFTDT84

I. Subject Specification

1. Basic Data

1.1 Title

Close-range photogrammetry

1.2 Code

BMEEOFTDT84

1.3 Type

Module with associated contact hours

1.4 Contact hours

Type	Hours/week / (days)
Lecture	2

1.5 Evaluation

Exam

1.6 Credits

3

1.7 Coordinator

name	Dr. Bence MOLNÁR
academic rank	Associate professor
email	molnar.bence@emk.bme.hu

1.8 Department

Department of Photogrammetry and Geoinformatics

1.9 Website

https://epito.bme.hu/BMEEOFTDT84
https://fiek2.mywire.org/course/view.php?id=2494

1.10 Language of instruction

english

1.11 Curriculum requirements

Ph.D.

1.12 Prerequisites

1.13 Effective date

1 September 2022

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2. Objectives and learning outcomes

2.1 Objectives

Capable to analyse close-range photogrammetry projects and improve accuracy based on a good understanding of theory. Students will process and understand state-of-the-art papers and present them to other participants. Finally, there will be practical work as well where students can apply recently learned knowledge.

2.2 Learning outcomes

Upon successful completion of this subject, the student:

A. Knowledge

1. State-of-the-art photogrammetry algorithms and solutions

B. Skills

1. Solving difficult situations during post processing

C. Attitudes

1. Search for related papers and recent technologies/algorithms

D. Autonomy and Responsibility

1. Understand and apply recent algorithms and solutions.

2.3 Methods

Literature processing

2.4 Course outline

Week	Topics of lectures and/or exercise classes
1.	
2.	
3.	

4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	

The above programme is tentative and subject to changes due to calendar variations and other reasons specific to the actual semester. Consult the effective detailed course schedule of the course on the subject website.

2.5 Study materials

Consultaion

2.6 Other information

2.7 Consultation

This Subject Datasheet is valid for:

Inactive courses

II. Subject requirements

Assessment and evaluation of the learning outcomes

3.1 General rules

3.2 Assessment methods

Evaluation form	Abbreviation	Assessed learning outcomes
Presentation	P	A.1; B.1; C.1; D.1

The dates of deadlines of assignments/homework can be found in the detailed course schedule on the subject's website.

3.3 Evaluation system

Abbreviation	Score
P	100%
Sum	**100%**

3.4 Requirements and validity of signature

3.5 Grading system

Grade	Points (P)
excellent (5)	
good (4)	
satisfactory (3)	
passed (2)	
failed (1)	

3.6 Retake and repeat

3.7 Estimated workload

Activity	Hours/semester
Prepare	90
Sum	**90**

3.8 Effective date

1 September 2022

This Subject Datasheet is valid for:

Inactive courses