



## SUBJECT DATASHEET

### I. SUBJECT DESCRIPTION

#### 1. GENERAL DATA

1.1. *Subject name (in Hungarian, in English)*

Internship M • Internship M

1.2. *Neptun code*

BMEGEMMNWSG

1.3. *Type*

study unit without contact hours (criteria unit)

1.4. *Course types and number of hours (weekly / semester)*

course type	number of hours (weekly)	nature (connected / stand-alone)
lecture (theory)	-	-
exercise	-	-
laboratory exercise	-	-

1.5. *Type of assessments (quality evaluation)*

signature

1.6. *ECTS*

0

1.7. *Subject coordinator*

name: Dr. Szekrényes András  
post: associate professor  
contact: szekrenyes@mm.bme.hu

1.8. *Host organization*

Department of Applied Mechanics (<http://www.mm.bme.hu/>)

1.9. *Course homepage*

<http://www.mm.bme.hu/targyak/?BMEGEMMNWSG>

1.10. *Course language*

english

1.11. *Primary curriculum type*

mandatory criteria

1.12. *Direct prerequisites*

Strong prerequisite:	-
Weak prerequisite:	-
Parallel prerequisite:	-
Milestone prerequisite:	-
Excluding condition:	BMEGEMMMWSZ

(the subject cannot be taken if you have previously completed any of the following subjects or groups of subjects)

## 2. AIMS AND ACHIEVEMENTS

### 2.1. Aim

The aim of the course is for the student to gain professional experience in a company that is active in the field of mechanical engineering. The current topic is assigned by the operations consultant, which must be worked out in sufficient detail by the student. The student will gain insight into the operational and work processes of companies operating in the field of engineering, receive professional advice from graduate engineers already working there, and build on their practical knowledge.

### 2.2. Learning outcomes

Competences that can be acquired by completing the course:

#### A. Knowledge

- Systematizes the knowledge acquired in the field of mechanical engineering during the practice.
- He / she was informed about the details of the field of mechanical engineering learned during the practice.
- He has the minimum expected professional experience after the internship.
- Gather into a report the most important new knowledge learned during your practice.
- He sees the connections between his previous studies and the new knowledge gained during his internship.
- It interprets the experience gained during the internship.
- It systematizes your existing knowledge and new knowledge gained through practice.
- Understands the practical aspects of the area learned during the practice.
- He has knowledge and experience in the field of mechanical engineering beyond his university studies.
- He / she is familiar with the main professional challenges of the field learned during the internship.

#### B. Ability

- Apply the knowledge acquired in the field of mechanical engineering during the practical practice.
- Able to capitalize on the knowledge gained during his / her later work, during the internship.
- Use your professional experience later in your career.
- Together, they apply the knowledge they have previously acquired and the new knowledge they have acquired during their internship.
- Describes the experience gained during the internship.
- Outline the new knowledge gained during the internship in the light of the existing ones.
- Use the new knowledge gained during the internship together with the existing ones.
- Is able to distinguish between theoretical and practical aspects of the field learned during the practice.
- Apply your experience in the internship during the internship.
- It solves the main professional challenges of the energy field learned during the internship.

#### C. Attitude

- He constantly monitors his work, results and conclusions with the help of his supervisor and consultant.
- It expands your knowledge of the chosen field of engineering by continuously acquiring knowledge.
- He is open to using information technology tools and acquiring new skills when needed.

- It strives to learn about the system of tools needed for technical problem solving, its error-free and routine use.
- It develops your ability to provide accurate and error-free problem solving, engineering precision and accuracy.

#### D. Independence and responsibility

- Collaborates with your supervisor and consultant, as well as your fellow students as needed, to expand your knowledge.
- Accept substantiated professional and other critical remarks while completing the internship.
- He / she constantly cooperates with his / her supervisor, consultant and, if necessary, fellow students during his / her internship.
- With his knowledge, based on his analyzes, he makes a responsible, well-founded and independent decision and performs independent work.
- He feels responsible for the problems of engineering and for present and future generations.

#### *2.3. Teaching methodology*

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The subject is taken by the student at an external company, and his / her work is supervised by an external consultant appointed by the company. During the consultations and independent work, the student solves the assigned tasks based on the knowledge acquired during the completed subjects. The consultant provides the student with the necessary literature and reserves the laboratory to perform the necessary measurements. An additional task of the consultant is to monitor the student's work. The work done during the semester must be documented. At the end of the internship, the supervisor evaluates the student's work in writing in proportion to the time spent by the student and the quality of the work.

#### *2.4. Support materials*

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##### a) Textbooks

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##### b) Lecture notes

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##### c) Online materials

<http://www.mm.bme.hu/targyak/?BMEGEMMNWSG>

#### *2.5. Validity of the course description*

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Start of validity:	2021. July 1.
End of validity:	2026. June 30.

## II. SUBJECT REQUIREMENT

### 3. ACHIEVEMENT CONTROL AND EVALUATION

#### 3.1 General rules

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The fulfillment of the subject requires the fulfillment of three administrative obligations: 1., filling in and submitting the application form electronically, 2., Annex 14 to V./11/2014-2015. (VI. 4. 2015) Based on the decision of the Faculty Council, preparation and electronic submission of the report, 3. electronic submission of the certificate issued by the representative of the place of practice. The condition for signing the subject is the completion of the above three administrative tasks.

#### 3.2 Assessment methods

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##### A. Detailed description of mid-term assessments

##### B. Detailed description of assessments performed during the examination period (if relevant)

Elements of the exam:

1. written partial exam

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2. oral partial exam

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3. practical partial exam

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4. inclusion of mid-term results

-

#### 3.3 The weight of mid-term assessments in signing or in final grading

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identifier	weight
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#### 3.4 The weight of partial exams in grade (if relevant)

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type	weight
written partial exam	0 %
oral partial exam	0 %
practical partial exam	0 %
inclusion of mid-term results	0 %

#### 3.5 Determination of the grade

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grade • [ECTS]	the grade expressed in percents
very good(5) • Excellent [A]	above 90%
very good(5) • Very Good [B]	85% .. 90%
good(4) • Good [C]	70% .. 85%
satisfactory(3) • Satisfactory [D]	56% .. 70%
sufficient(2) • Pass [E]	40% .. 56%

insufficient(1) • Fail [F]

below 40%

The lower limit specified for each grade already belongs to that grade.

### 3.6 Attendance and participation requirements

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### 3.7 Special rules for improving, retaken and replacement

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The special rules for improving, retaken and replacement shall be interpreted and applied in conjunction with the general rules of the CoS (TVSZ).

Taking into account the previous result in case of improvement, retaken-improvement:

*new result overrides previous result*

### 3.8 Study work required to complete the course

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Activity	hours / semester
summary	0

### 3.9. Validity of subject requirements

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Start of validity: 2021. July 1.

End of validity: 2026. June 30.

## 4. ADDITIONAL INFORMATION

### 4.1 Primary course

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The primary (main) course of the subject in which it is advertised and to which the competencies are related:

Common on all MSc programmes

### 4.2 Link to the purpose and (special) compensations of the Regulation KKK

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This course aims to improve the following competencies defined in the Regulation KKK>

#### a) knowledge

- Student has the knowledge of the general and specific characteristics, boundaries and main developments of the field, its links with related disciplines.
- Student has the detailed knowledge of the context, theories and terminology of the field.
- Student has a detailed knowledge of legal regulations and ethical standards relevant to the field of specialisation.

#### b) ability

- Student carries out a detailed analysis of the various concepts that make up the knowledge base of the field, synthesising and synthesising the broad and specific contexts and making an appropriate assessment of them.
- Student identifies specific professional problems using a multifaceted, interdisciplinary approach, and explores and formulates the detailed theoretical and practical background needed to solve them.
- Student has a high level of knowledge transfer skills in the field, and is able to use and process publication sources in Hungarian and foreign languages, and has effective information research and processing skills in the field.

#### c) attitude

- Student takes decisions in new, complex and strategic decision-making situations and in unexpected situations, taking full account of legal and ethical standards.
- Student strives to put the latest developments in student's field at the service of student's own development.

- Student understands and represents the active citizenship and literacy elements that define the key issues in their field.

d) independence and responsibility

- Student demonstrates a high degree of autonomy in thinking through and developing broad and specific professional issues on the basis of given resources.

- Student is involved in research and development projects, mobilises student's theoretical and practical knowledge and skills in a project team in an autonomous way, in cooperation with the other members of the team, in order to achieve the objective.

- Student independently applies a wide range of methods and techniques in practice in contexts of varying complexity and predictability.

*4.3 Prerequisites for completing the course*

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Knowledge type competencies

(a set of prior knowledge, the existence of which is not obligatory, but greatly facilitates the successful completion of the subject) | -

Ability type competencies

(a set of prior abilities and skills, the existence of which is not obligatory, but greatly contributes to the successful completion of the subject) | -