State of the art wastewater treatment - BMEEOVKDT85

I. Subject Specification

1. Basic Data

1.1 Title

STATE OF THE ART WASTEWATER TREATMENT

1.2 Code

BMEEOVKDT85

1.3 *Type*

Module with associated contact hours

1.4 Contact hours

| Type Hours/week / |
|-------------------|
| (days) |

1.5 Evaluation

Exam

1.6 Credits

3

1.7 Coordinator

| name | Miklós Patziger |
|---------------|----------------------------|
| academic rank | Associate professor |
| email | patziger.miklos@emk.bme.hu |

1.8 Department

Department of Sanitary and Environmental Engineering

1.9 Website

https://epito.bme.hu/BMEEOVKDT85

https://edu.epito.bme.hu/course/view.php?id=2577

1.10 Language of instruction

hungarian and 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

Providing skills in state of the art wastewater treatment and water resources recovery

2.2 Learning outcomes

Upon successful completion of this subject, the student:

A. Knowledge

1. Wastewter treatment: design, operation, economics, reuse, energy questions

B. Skills

1. Wastewter treatment: design, operation, economics, reuse, energy questions

C. Attitudes

1. Tutorial

D. Autonomy and Responsibility

1. Elaborating individual topics

2.3 Methods

Lessons, individual projects, presentation

2.4 Course outline

| Week | Topics of lectures and/or exercise classes |
|------|--|
| 1. | Tutorials |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |
| 8. | |
| 9. | |
| 10. | |
| 11. | |
| 12. | |
| 13. | |
| 14. | Presentation |

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

2.6 Other information

2.7 Consultation

This Subject Datasheet is valid for:

Inactive courses

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II. Subject requirements

Assessment and evaluation of the learning outcomes

3.1 General rules

3.2 Assessment methods

| Evaluation form | Abbreviation | Assessed learning outcomes |
|-----------------|--------------|----------------------------|
| | | |

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 |
|--------------|-------|
| | |
| 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 |
|----------|----------------|
| | |
| Sum | |

3.8 Effective date

1 September 2022

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Inactive courses