

Technical University "Gheorghe Asachi" of Iasi
 Faculty of Civil Engineering and Building Services
 Domain: Civil engineering
 Programme of study: Civil Engineering
 Qualification: Bachelor Engineer
 Period of studies: Four years
 Education form: day courses
 Seria: 2019-2023

TUIASI SENAT Approved

CURRICULUM

1st year 2019-2020

| Tip disciplina | Nr. crt. | Subject | Codul disciplinei | Conditionari | Sem 1 - 14 sapt | | | | | | Sem 2 - 14 sapt | | | | | | | | | | | |
|--|--|---|-------------------|--------------|-----------------|---|---|---|----|------------|-----------------|-------------------|----|----|---|----|------------|---|----|----|----|--|
| | | | | | No hours | | | | | Ev. finala | K | No hours | | | | | Ev. finala | K | | | | |
| | | | | | C | S | L | P | SI | | | C | S | L | P | SI | | | | | | |
| DI | 1 DF | Mathematical Analysis 1 | CE101 | | 2 | 2 | | | 4 | E | 5 | | | | | | | | | | | |
| | 2 DF | Algebra and Geometry 1 | CE102 | | 2 | 2 | | | 4 | E | 4 | | | | | | | | | | | |
| | 3 DID | Mechanics 1 | CE103 | | 2 | 1 | | | 4 | E | 4 | | | | | | | | | | | |
| | 4 DID | Building Materials 1 | CE104 | | 1 | | 1 | | 2 | E | 3 | | | | | | | | | | | |
| | 5 DF | Engineering Graphics | CE105 | | | | 2 | | 1 | Vp | 2 | | | | | | | | | | | |
| | 6 DF | Chemistry | CE106 | | 2 | | 1 | | 1 | C | 2 | | | | | | | | | | | |
| | 7 DF | Computer programming and programming | CE107 | | 1 | | 2 | | 2 | Vp | 3 | | | | | | | | | | | |
| | 8 DC | Humanistic Sciences (Techniques of | CE108 | | 2 | | | | 1 | C | 2 | | | | | | | | | | | |
| | 9 DID | Construction Engineering. Ways of Thinking | CE109 | | 2 | | 1 | | | E | 2 | | | | | | | | | | | |
| | 10 DC | English Language 1 | CE110 | | | 1 | | | 2 | Vp | 2 | | | | | | | | | | | |
| | 11 DC | Physical Training 1 | CE111 | | | 1 | | | | Vp | 1 | | | | | | | | | | | |
| | 12 DF | Mathematical Analysis 2 | CE112 | CE101 | | | | | | | | 2 | 2 | | | 1 | E | | | | 3 | |
| | 13 DF | Algebra and Geometry 2 | CE113 | CE102 | | | | | | | | 2 | 1 | | | 2 | E | | | | 3 | |
| | 14 DID | Mechanics 2 | CE114 | CE103 | | | | | | | | 2 | 1 | | | 2 | E | | | | 3 | |
| | 15 DID | Building Materials 2 | CE115 | CE104 | | | | | | | | 2 | | 2 | | 3 | E | | | | 4 | |
| | 16 DID | Elements of Architecture and Urban Planning | CE116 | | | | | | | | | 2 | | 2 | | 1 | C | | | | 3 | |
| | 17 DF | Physics 1 | CE117 | | | | | | | | | 2 | | 1 | | 2 | C | | | | 3 | |
| | 18 DID | Strength of Materials 1 | CE118 | | | | | | | | | 3 | | 2 | | 4 | E | | | | 5 | |
| | 19 DC | English Language 2 | CE119 | | | | | | | | | | 1 | | | 2 | Vp | | | | 2 | |
| | 20 DC | Physical Training 2 | CE120 | | | | | | | | | | 1 | | | | Vp | | | | 1 | |
| | 21 DF | Practice | CE121 | | | | | | | | | 2 sx30 h/s = 60 h | | | | | | C | | | 3 | |
| DL | 22 DC | Aesthetics | | | 2 | | | | | Vp | 2 | | | | | | | | | | | |
| | 23 DID | Innovative entrepreneurship development in construction | | | 2 | | | | | Vp | 2 | | | | | | | | | | | |
| | 24 DID | An Introduction to Technical Creativity | | | | | | | | | | 2 | | | | | Vp | | | | 2 | |
| | 25 DF | Elementary Mathematics 1 | | | 2 | | | | | Vp | 2 | | | | | | | | | | | |
| | 26 DF | Elementary Mathematics 2 | | | | | | | | | | 2 | | | | | Vp | | | | 2 | |
| | 27 DC | Psychology of Education-DPPD* | | | 2 | 2 | | | | E | 5 | | | | | | | | | | | |
| 28 DC | Pedagogy I*: - Fundamentals of Pedagogy - Theory and Methodology of the Curriculum | | | | | | | | | | 2 | 2 | | | | E | | | | 5 | | |
| Total hours per week, total topics and credits per semester at DI and DO | | | | | 14 | 7 | 7 | 0 | | 5 | E | 30 | 15 | 6 | 7 | 0 | | 5 | E | 30 | | |
| | | | | | 28 | | | | | 22 | 2 | C | | 28 | | | | | 17 | 3 | C | |
| | | | | | | | | | | | 4 | Vp | | | | | | | | 2 | Vp | |

* Psychopedagogical training programme for the certification of competences for the teaching profession.

DECAN,
Conf.dr.ing. Vasilică Ciocan

RECTOR,
Prof.dr.ing. Dan Cașcaval

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 Domain: Civil engineering
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TUIASI SENAT Approved

CURRICULUM

2nd year 2020-2021

| Tip disciplina | Nr. crt. | Denumirea disciplinei | Codul disciplinei | Conditionari | Sem 3 - 14 sapt | | | | | | Sem 4 - 14 sapt | | | | | | | |
|--|----------|--|-------------------|--------------|----------------------------|---|---|----|----|--------------------|-----------------|----------------------------|---|----|----|--------------------|------------|---|
| | | | | | Nr.ore / sapt / disciplina | | | | | Ev. finala | K | Nr.ore / sapt / disciplina | | | | | Ev. finala | K |
| | | | | | C | S | L | P | SI | | | C | S | L | P | SI | | |
| DI | 1 DID | Statics of Constructions 1 | CE201 | | 3 | | 2 | | 4 | E | 5 | | | | | | | |
| | 2 DF | Descriptive Geometry | CE202 | | 2 | 1 | | | 2 | E | 4 | | | | | | | |
| | 3 DID | Engineering Geology | CE203 | | 1 | | 1 | | 2 | E | 3 | | | | | | | |
| | 4 DF | Physics 2 | CE204 | CE117 | 1 | 1 | | | 2 | C | 3 | | | | | | | |
| | 5 DID | Strength of Materials 2 | CE205 | CE118 | 3 | | 2 | | 4 | E | 6 | | | | | | | |
| | 6 DID | Environmental Engineering | CE206 | | 2 | | 1 | | 2 | E | 3 | | | | | | | |
| | 7 DC | Economics | CE207 | | 2 | | | | 1 | C | 2 | | | | | | | |
| | 8 DC | English Language 3 | CE208 | | | 1 | | | 2 | Vp | 1 | | | | | | | |
| | 9 DC | Physical Training 3 | CE209 | | | 1 | | | | Vp | 1 | | | | | | | |
| | 10 DID | Statics of Constructions 2 | CE210 | CE201 | | | | | | | | 3 | 2 | 5 | E | 6 | | |
| | 11 DID | Theory of Elasticity and Plasticity | CE211 | | | | | | | | | 2 | 1 | 2 | E | 3 | | |
| | 12 DID | Reinforced Concrete | CE212 | | | | | | | | | 2 | 1 | 2 | E | 3 | | |
| | 13 DID | Civil construction 1 | CE213 | | | | | | | | | 2 | 2 | 3 | E | 4 | | |
| | 14 DF | Infographics | CE214 | | | | | | | | | 1 | 2 | 2 | C | 3 | | |
| | 15 DID | Hydraulics | CE215 | | | | | | | | | 2 | 1 | 2 | C | 3 | | |
| | 16 DID | Surveying | CE216 | | | | | | | | | 2 | 2 | 1 | E | 3 | | |
| | 17 DC | English Language 4 | CE217 | | | | | | | | | | 1 | | 2 | Vp | 1 | |
| | 18 DC | Physical Training 4 | CE218 | | | | | | | | | | 1 | | | Vp | 1 | |
| | 19 DID | Land Surveying Practical Training | CE219 | | | | | | | | | 2 sx30 h/s = 60 h | | | | C | 3 | |
| DO | 20 DF | Statistics | CE220 | | 2 | | | | | Vp | 2 | | | | | | | |
| DL | 21 DID | Programming Languages (JAVA) | CE221 | | | | | | | | | 1 | 3 | | Vp | 2 | | |
| | 22 DC | Pedagogy II*: - Instruction Theory and Methodology - Evaluation Theory and Methodology | CE222 | | 2 | 2 | | | | E | 5 | | | | | | | |
| | 23 DC | Didactics of the Specialized Domain* | CE223 | | | | | | | | | 2 | 2 | | E | 5 | | |
| | 24 DC | Ethics and Integrity | CE224 | | | | | | | | | 2 | 1 | | C | 2 | | |
| Total hours per week, total topics and credits per semester at DI and DO | | | | | 16 | 4 | 6 | 0 | | 5 E 2 C 3 Vp | 30 | 14 | 2 | 11 | 0 | 5 E 3 C 2 Vp | 30 | |
| | | | | | 26 | | | 19 | | | | 27 | | | 20 | | | |

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RECTOR,
Prof.dr.ing. Dan Cașcaval

CURRICULUM

4th year 2022-2023

| Tip disciplina | Nr. crt. | Denumirea disciplinei | Codul disciplinei | Conditionari | Sem 7 - 14 sapt | | | | | Sem 8 - 14 sapt | | | | | | | | | | |
|--|----------|------------------------------------|-------------------|--------------|----------------------------|---|---|----|----|-----------------|---|----------------------------|----|---|----|----|------------|------|---|----|
| | | | | | Nr.ore / sapt / disciplina | | | | | Ev. finală | K | Nr.ore / sapt / disciplina | | | | | Ev. finală | K | | |
| | | | | | C | S | L | P | SI | | | C | S | L | P | SI | | | | |
| DI | 1 DIS | Reinforced Concrete Structures | CE401 | | 3 | | | 2 | 4 | E | 5 | | | | | | | | | |
| | 2 DIS | Steel Structures | CE402 | | 2 | | | 2 | 4 | E | 5 | | | | | | | | | |
| | 3 DIS | Industrial Constructions | CE403 | | 2 | | | 2 | 4 | E | 4 | | | | | | | | | |
| | 4 DIS | Constructions in Rural Zone | CE404 | | 2 | | 1 | | 3 | C | 4 | | | | | | | | | |
| | 5 DID | Management of Constructions Works | CE405 | | 3 | | 2 | | 3 | E | 4 | | | | | | | | | |
| | 6 DID | Building Services in Constructions | CE406 | | | | | | | | | | 2 | | 1 | | 2 | E | 3 | |
| | 7 DIS | General concepts of sustainability | CE407 | | 2 | | | | | Vp | 2 | | | | | | | | | |
| | 8 DIS | Elements of Composite Structures | CE408 | | | | | | | | | | 2 | | 1 | | 2 | E | 3 | |
| DO | 9 DIS | Optional 2 | CE409 | | 2 | | 1 | | 2 | Vp | 3 | | | | | | | | | |
| | 10 DIS | Optional 3 | CE410 | | 2 | | 0 | | 2 | Vp | 3 | | | | | | | | | |
| | 11 DIS | Optional 4 | CE411 | | | | | | | | | 2 | | 1 | | 2 | E | 3 | | |
| | 12 DIS | Optional 5 | CE412 | | | | | | | | | 2 | | 1 | | 2 | Vp | 2 | | |
| | 13 DIS | Optional 6 | CE413 | | | | | | | | | 2 | | 1 | | 2 | E | 3 | | |
| | 14 DIS | Optional 7 | CE414 | | | | | | | | | 2 | | 1 | | 2 | Vp | 3 | | |
| | 15 DID | Optional 8 | CE415 | | | | | | | | | 2 | | 1 | | 2 | Vp | 3 | | |
| DI | 16 DIS | Diploma project research | CE416 | | | | | | | | | | | | 4 | 6 | C | 5 | | |
| | 17 DIS | Diploma project completion | CE417 | | | | | | | | | | | 3 | 6 | C | 5 | | | |
| | 18 DIS | Diploma exam | CE418 | | | | | | | | | | | | | | (E) | (10) | | |
| DL | 19 DC | Entrepreneurial education | CE419 | | 1 | | 2 | | | C | 5 | | | | | | | | | |
| | 20 DC | Applied entrepreneurship education | CE420 | | | | | | | | | 2 | | | 1 | | C | 3 | | |
| | 19 DF | Programming Languages (FORTRAN) | CE419 | | 1 | | 2 | | | Vp | 2 | | | | | | | | | |
| Total hours per week, total topics and credits per semester at DI and DO | | | | | 18 | 0 | 4 | 6 | | 4 | E | 30 | 14 | 0 | 7 | 7 | | 4 | E | 30 |
| | | | | | 28 | | | 22 | 1 | C | | 28 | | | 26 | 2 | C | | | |
| | | | | | | | | | 3 | Vp | | | | | 3 | Vp | | | | |

Opt 2 Building Rehabilitation
 Elements of Non-linear Computation in Civil

Opt.6 Special Steel Structures
 Light Metallic Structures

Opt 3 Advanced Building Materials
 Advanced Building Technologies

Opt.7 Masonry Constructions
 Thermo-physical Rehabilitation of Constructions

Opt.4 Durability of Reinforced Concrete Structures
 Advanced Solutions in Reinforced Concrete

Opt.8 Transportation Infrastructure
 Special Foundations

Opt.5 Quality Management
 Project Management

* To support and promote diploma exam are awarded with additional 10 credits .

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