

"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IAȘI

Faculty of Civil Engineering and Building Services

Field of study: **Civil Engineering**

Programme of study: Inginerie Structurală (în limba engleză)- Structural Engineering

Official length of the programme of study: 2 years

Mode of study: Full-time

## CURRICULUM

1<sup>st</sup> year, 2012-2013 academic year

| No.   | Subject | Codul disciplinei   | Condiționări | Semestrul 1                |   |   |   |    | Semestrul 2 |    |                            |   |   |   |    |            |    |   |
|---|---------|---|--------------|----------------------------|---|---|---|----|-------------|----|----------------------------|---|---|---|----|------------|----|---|
|   |         |   |              | Nr.ore/săpt/<br>disciplină |   |   |   |    | Ev. finală  | K  | Nr.ore/săpt/<br>disciplină |   |   |   |    | Ev. finală | K  |   |
|   |         |   |              | C                          | S | L | P | SI |             |    | C                          | S | L | P | SI |            |    |   |
| DI  | 1.      | IT for Civil Engineering  | IITIC        |                            |   |   |   |    |             | C  | 3                          |   |   |   |    |            |    |   |
|   | 2.      | Masonry Building Structures   | SD-(MBS)     |                            |   |   |   |    |             |    |                            | 1 |   |   | 1  |            | E  | 3 |
|   | 3.      | Steel Structures  | SD(SS)       |                            |   |   | 1 |    |             | E  | 3                          |   |   |   |    |            |    |   |
|   | 4.      | Advanced Geotechnical Engineering & Foundations Design                                | AGEFD        |                            |   |   |   | 1  |             | E  | 3                          |   |   |   |    |            |    |   |
|   | 5.      | Advanced Engineering Mathematics for CE)  | AEMCE        |                            |   |   |   | 1  |             | E  | 3                          |   |   |   |    |            |    |   |
|   | 6.      | Advanced FE Analysis  | AFEA         |                            |   |   |   |    | 2           | C  | 5                          | 1 |   |   | 2  |            | E  | 4 |
|   | 7.      | Elasticity and Plasticity   | EP           |                            |   |   |   |    |             |    |                            | 1 |   | 1 |    |            | E  | 3 |
|   | 8.      | Part 1 Stability and 2nd Analysis sem I<br>Part 2 -ASA of existing structures, sem II | ASA I/II     |                            |   |   |   | 1  |             | C  | 4                          | 2 |   | 1 |    |            | E  | 3 |
|   | 9.      | Special Structures  | SCS          |                            |   |   |   |    |             |    |                            | 1 |   | 1 |    |            | E  | 3 |
|   | 10.     | Advanced Earthquake Engineering   | AEE          |                            |   |   |   |    |             |    |                            | 2 |   | 1 |    |            | E  | 4 |
|   | 11.     | Advanced Structural Dynamics  | ASD          |                            |   |   |   |    | 2           | E  | 4                          |   |   |   |    |            |    |   |
|   | 12.     | Effective Project Management  | EPM 1        |                            |   |   |   |    |             |    | 1                          |   | 1 |   |    | C          | 3  |   |
|   | 13.     | Research activity   | ACS1<br>ACS2 |                            |   |   |   |    |             |    |                            |   |   |   | 9  | C          | 5  |   |
| DO  | 14a     | Structural Health Monitoring of existing constructions                                | SHM          |                            |   |   |   |    |             |    | 1                          |   | 1 |   |    | C          | 2  |   |
|   | 14b     | Steel Structures for Multistorey Buildings SSMB                                       | SSMB         |                            |   |   |   |    |             |    | 1                          |   | 1 |   |    | C          | 2  |   |
| DL  | 15      | Advanced IT Solutions   | AITS         |                            |   |   |   |    |             |    | 1                          |   | 1 |   |    | C          | 2  |   |
| Total ore pe săptămână, total probe și credite pe semestru, la DI și DO |         |   |              | 10                         | 8 | 1 | 9 |    | 4E<br>4C    | 30 | 10                         | 6 | 3 | 9 |    | 6E<br>3C   | 30 |   |

RECTOR,

*Professor Ion Giurma, Ph.D.*

DEAN,

*Professor Mihai Budescu, Ph.D.*

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## CURRICULUM

2<sup>nd</sup> year, 2013-2014 academic year

| No.   | Subject   | Codul<br>discipli-<br>nei | Con-<br>dițio-<br>nări | Semestrul 1                |   |   |   |          |                   | Semestrul 2 |                            |   |    |   |    |                   |   |
|---|---|---------------------------|------------------------|----------------------------|---|---|---|----------|-------------------|-------------|----------------------------|---|----|---|----|-------------------|---|
|   |   |                           |                        | Nr.ore/săpt/<br>disciplină |   |   |   |          | Ev.<br>fina<br>lă | K           | Nr.ore/săpt/<br>disciplină |   |    |   |    | Ev.<br>final<br>ă | K |
|   |   |                           |                        | C                          | S | L | P | SI       |                   |             | C                          | S | L  | P | SI |                   |   |
| DI  | 1. Special Transportation Structures                  | STS                       |                        | 2                          | 1 |   |   | E        | 4                 |             |                            |   |    |   |    |                   |   |
|   | 2. Advanced FE Analysis                               | AFEA<br>III               | AFEA<br>anul I         | 1                          |   |   | 2 | E        | 5                 |             |                            |   |    |   |    |                   |   |
|   | 3. Composite structures                               | CS                        | SD<br>anul I           | 2                          | 1 |   |   | E        | 4                 |             |                            |   |    |   |    |                   |   |
|   | 4. Organisational Culture & Leadership)               | OCL                       |                        | 1                          | 1 |   |   | C        | 2                 |             |                            |   |    |   |    |                   |   |
|   | 5. Effective Project Management                       | EPM II                    | EPM<br>anul I          | 1                          | 1 |   |   | C        | 4                 |             |                            |   |    |   |    |                   |   |
|   | 6. Business Comunication                              | BC                        |                        | 1                          |   |   |   | C        | 2                 |             |                            |   |    |   |    |                   |   |
|   | 7. Engineering Ethics)                                | EE                        | ACD<br>Anul I          | 1                          | 1 |   |   | C        | 2                 |             |                            |   |    |   |    |                   |   |
|   | 8. Research activity                                  | ACS3                      | ACS 1<br>si 2          |                            |   |   |   | 9        | C                 | 5           |                            |   |    |   |    |                   |   |
|   | 9. Research activity                                  | ACS4                      | ACS 1<br>si 2          |                            |   |   |   |          |                   |             |                            |   | 20 | C | 15 |                   |   |
|   | 10. Examination of Dissertation                       |                           |                        |                            |   |   |   |          |                   |             |                            |   | 8  | E | 15 |                   |   |
|   | 11. MSc thesys defence                                |                           |                        |                            |   |   |   |          |                   |             |                            |   |    |   |    | 10                |   |
| DO  | 10a. Special Structures for Equipment & Installations | SSEI                      | SD<br>EE<br>anul I     | 1                          | 1 |   |   | C        | 2                 |             |                            |   |    |   |    |                   |   |
|   | 10b. Risk Management                                  | RM                        |                        | 1                          | 1 |   |   | C        | 2                 |             |                            |   |    |   |    |                   |   |
| Total ore pe săptămână, total probe și credite pe semestru, la DI și DO |   |                           |                        | 10                         | 8 | 1 | 9 | 4E<br>4C | 30                |             |                            |   | 28 |   |    | 30                |   |

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