

Universitatea "LUCIAN BLAGA" din Sibiu
"LUCIAN BLAGA" UNIVERSITY OF SIBIU

Facultatea de Inginerie
Faculty of Engineering

Domeniul: Calculatoare și Tehnologia Informației
Main field of study: Computer Engineering and Information Technology

Programul de master: **SISTEME ÎNCORPORATE**

Programme title: **EMBEDDED SYSTEMS**

Program de studiu de tip: Master profesional

Study programme: Professional master

Limba de predare: Engleză

Teaching language: English

Începând cu anul universitar 2018-2019
starting with the academic year 2018-2019

PLAN DE ÎNVĂȚĂMÂNT/CURRICULUM

Anul I / 1st YEAR

| Nr. crt. No | Disciplina/Subject | Codul disciplinei/Code | Semestrul 1/1st Semester | | | | | | Semestrul 2/2nd Semester | | | | | | | | |
|--|---|------------------------|--------------------------|---|---|----|----|--------------|--------------------------|----|----|----|----|----|--------------|-------|--|
| | | | AI | | | AP | N | Verif./Exam. | Cred. | AI | | | AP | N | Verif./Exam. | Cred. | |
| | | | C | L | P | | | | | C | L | P | | | | | |
| 1.1 | Procesare dedicată / Embedded Computing | mES.101.SO | 3 | 2 | 0 | - | 5 | E1 | 9 | - | - | - | - | - | - | - | |
| 1.2 | Ingineria programării / Software Engineering | mES.102.SO | 2 | 2 | 1 | - | 5 | E1 | 8 | - | - | - | - | - | - | - | |
| 1.3 | Teoria sistemelor adaptive / Adaptive Systems Theory | mES.103.SU | 1 | 2 | 0 | - | 3 | E1 | 5 | - | - | - | - | - | - | - | |
| 1.4 | Etică și integritate academică / Ethics and Academic Integrity | mES.104.SO | 1 | 0 | 0 | - | 1 | A/R1 | 2 | - | - | - | - | - | - | - | |
| 1.5 | Practica profesională / Professional Internship | mES.105.SO | - | - | - | 12 | - | A/R1 | 6 | - | - | - | - | - | - | - | |
| 2.1 | Arhitectura sistemelor dedicate / Embedded Systems Architecture | mES.201.SO | - | - | - | - | - | - | - | 2 | 2 | 0 | - | 4 | E2 | 7 | |
| 2.2 | Învățare automată / Machine Learning | mES.202.SO | - | - | - | - | - | - | - | 2 | 2 | 0 | - | 4 | E2 | 7 | |
| 2.3 | Sisteme avansate de comunicații / Advanced Computer Communications | mES.203.SO | - | - | - | - | - | - | - | 2 | 2 | 0 | - | 4 | E2 | 7 | |
| 2.4 | Complexitatea algoritmilor / Algorithm Complexity | mES.204.SO | - | - | - | - | - | - | - | 1 | 1 | 0 | - | 2 | E2 | 3 | |
| 2.5 | Practica profesională / Professional Internship | mES.205.SO | - | - | - | - | - | - | - | - | - | - | 12 | - | A/R2 | 6 | |
| TOTAL | | | 7 | 6 | 1 | 12 | 14 | 3E+ 2A/R | 30 | 7 | 7 | 0 | 12 | 14 | 4E+ 1A/R | 30 | |
| TOTAL ORE PE SAPTAMANA TOTAL NUMBER OF HOURS/WEEK | | | 14 | | | 12 | 14 | | | | 14 | | | 12 | 14 | | |
| | | | 26 | | | 14 | | | | | | 26 | | | 14 | | |
| | | | 40 | | | | | | | | | 40 | | | | | |
| TOTAL CREDITE PE AN / TOTAL NUMBER OF CREDITS/YEAR: | | | | | | | | | | | | | | | 60 | | |

Legenda/Legend

C - curs/course, L - laborator/lab, P - proiect/project

AI - asistate integral / fully assisted

AP - asistate partial / partially assisted

N - neasistate / not assisted



Prof.univ.dr.ing. Ioan BOGDAN

Decan/Dean,

Prof.univ.dr.ing. Liviu Ion ROȘCA

Director departament/Head of Department,

Prof. univ. dr. ing. Daniel VOLOVICI

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PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

Anul II / 2nd YEAR

| Nr. crt. No | Disciplina/Subject | Codul disciplinei/ Code | Semestrul 1/1st Semester | | | | | | | Semestrul 2/2nd Semester | | | | | | |
|--|--|-------------------------|--------------------------|----------|----------|-----------|-----------|---------------------|-----------|--------------------------|-----------|----------|-----------|-----------|---------------|-----------|
| | | | AI | | | AP | N | Verif./ Exam. | Cred. | AI | | | AP | N | Verif./ Exam. | Cred. |
| | | | C | L | P | | | | | C | L | P | | | | |
| 3.1 | Proiectarea sistemelor dedicate / <i>Embedded Systems Design</i> | mES.301.SO | 2 | 1 | 1 | - | 4 | E3 | 7 | - | - | - | - | - | - | - |
| 3.2 | Procesarea avansată a semnalelor / <i>Advanced DSP Methods</i> | mES.302.SO | 2 | 2 | 0 | - | 4 | E3 | 7 | - | - | - | - | - | - | - |
| 3.3 | Sisteme informatice industriale / <i>Plant Control</i> | mES.303.SO | 2 | 2 | 0 | - | 4 | E3 | 7 | - | - | - | - | - | - | - |
| 3.4 | Internetul lucrurilor / <i>Internet of Things</i> | mES.304.SO | 1 | 1 | 0 | - | 2 | E3 | 3 | - | - | - | - | - | - | - |
| 3.5 | Practica de cercetare / <i>Research Activities</i> | mES.305.SO | - | - | - | 12 | - | A/R3 | 6 | - | - | - | - | - | - | - |
| 4.1 | Practica de cercetare / <i>Research Activities</i> | mES.401.SO | - | - | - | - | - | - | - | - | - | - | 14 | 10 | A/R4 | 18 |
| 4.2 | Practică elaborare disertație / <i>Practical Activities for Preparing the Dissertation Thesis</i> | mES.402.SO | - | - | - | - | - | - | - | - | - | - | 6 | 2 | A/R4 | 6 |
| 4.3 | Elaborare disertație / <i>Preparing the Dissertation Thesis</i> | mES.403.SO | - | - | - | - | - | - | - | - | - | - | 6 | 2 | A/R4 | 6 |
| TOTAL | | | 7 | 6 | 1 | 12 | 14 | 4E+ 1A/R | 30 | 0 | 0 | 0 | 26 | 14 | 3A/R | 30 |
| TOTAL ORE PE SAPTAMANA TOTAL NUMBER OF HOURS/WEEK | | | 14 | | | 12 | | 14 | | 0 | | | 26 | | 14 | |
| | | | 26 | | | 14 | | | | | 26 | | 14 | | | |
| | | | 40 | | | | | | | | 40 | | | | | |
| TOTAL CREDITE PE AN / TOTAL NUMBER OF CREDITS/YEAR: | | | | | | | | | | | | | | | 60 | |
| Susținerea disertației / <i>Public Presenting of Dissertation</i> | | | | | | | | | | | | | | | 10 | |

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