

PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

ANUL I/1st YEAR

| Nr. Crt.<br><br>No.                                   |                                                                                                                     | Disciplina<br>Subject | Cod<br>Code | Semestrul 1/<br>1st Semester |   |   |   |         |         |        |    |               |                        | Semestrul 2/<br>2nd Semester |    |   |   |    |         |         |        |    |               | NOSI/<br>sem<br>Univ. |                        |                      |  |     |     |    |  |  |  |  |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|------------------------------|---|---|---|---------|---------|--------|----|---------------|------------------------|------------------------------|----|---|---|----|---------|---------|--------|----|---------------|-----------------------|------------------------|----------------------|--|-----|-----|----|--|--|--|--|
|                                                       |                                                                                                                     |                       |             | AI                           |   |   |   |         |         | A<br>P | N  | Ver.<br>Eval. | Cred.<br>Cred.<br>Univ | Cred.<br>Cred.<br>OE         | AI |   |   |    |         |         | A<br>P | N  | Ver.<br>Eval. |                       | Cred.<br>Cred.<br>Univ | Cred.<br>Cred.<br>OE |  |     |     |    |  |  |  |  |
|                                                       |                                                                                                                     |                       |             | C                            | S | L | P | L<br>IM | P<br>IM |        |    |               |                        |                              | C  | S | L | P  | L<br>IM | P<br>IM |        |    |               |                       |                        |                      |  |     |     |    |  |  |  |  |
|                                                       |                                                                                                                     |                       |             |                              |   |   |   |         |         |        |    |               |                        |                              |    |   |   |    |         |         |        |    |               |                       |                        |                      |  |     |     |    |  |  |  |  |
| 1.01                                                  | Biomecatronică /<br>Biomechatronics                                                                                 |                       | SMAD.101.SO | 2                            | 0 | 1 | 0 | 0       | 0       | 0      | 3  | Examen        | 4                      | 0                            |    |   |   |    |         |         |        |    |               |                       |                        |                      |  | 78  |     |    |  |  |  |  |
| 1.02                                                  | Metode și tehnici avansate de proiectare asistată /<br>Advanced methods and techniques for computer aided design    |                       | SMAD.102.SO | 2                            | 0 | 0 | 2 | 0       | 0       | 0      | 4  | Examen        | 6                      | 0                            |    |   |   |    |         |         |        |    |               |                       |                        |                      |  | 124 |     |    |  |  |  |  |
| 1.03                                                  | Proiectarea optimă a sistemelor mecatronice /<br>Optimal design of mechatronic systems                              |                       | SMAD.103.SO | 2                            | 0 | 2 | 0 | 0       | 0       | 0      | 4  | Examen        | 6                      | 0                            |    |   |   |    |         |         |        |    |               |                       |                        |                      |  | 124 |     |    |  |  |  |  |
| 1.04                                                  | Controlul avansat al sistemelor mecatronice/<br>Advanced control of mechatronic systems                             |                       | SMAD.104.SO | 2                            | 0 | 1 | 0 | 0       | 0       | 0      | 3  | Examen        | 4                      | 0                            |    |   |   |    |         |         |        |    |               |                       |                        |                      |  | 78  |     |    |  |  |  |  |
| 1.05                                                  | Practica profesională /<br>Professional Internship                                                                  |                       | SMAD.105.SO | 0                            | 0 | 0 | 0 | 0       | 0       | 12     | 0  | Verificare    | 0                      | 10                           |    |   |   |    |         |         |        |    |               |                       |                        |                      |  | 0   |     |    |  |  |  |  |
| 2.01                                                  | Sisteme senzoriale și instrumentație virtuală/<br>Sensory systems and virtual instrumentation                       |                       | SMAD.201.SO |                              |   |   |   |         |         |        |    |               |                        |                              | 2  | 0 | 2 | 0  | 0       | 0       | 0      | 4  | Examen        | 6                     | 0                      |                      |  | 124 |     |    |  |  |  |  |
| 2.02                                                  | Diagnoza și fiabilitatea sistemelor mecatronice /<br>Diagnosis and reliability of mechatronic systems               |                       | SMAD.202.SO |                              |   |   |   |         |         |        |    |               |                        |                              | 2  | 0 | 1 | 0  | 0       | 0       | 0      | 3  | Examen        | 4                     | 0                      |                      |  | 78  |     |    |  |  |  |  |
| 2.03                                                  | Microsisteme electromecanice în industria automotive /<br>Micro-electromechanical systems in automotive industry    |                       | SMAD.203.SO |                              |   |   |   |         |         |        |    |               |                        |                              | 1  | 0 | 2 | 0  | 0       | 0       | 0      | 3  | Examen        | 4                     | 0                      |                      |  | 78  |     |    |  |  |  |  |
| 2.04                                                  | Analiza și sinteza sistemelor hidronice și pneutrice /<br>Analysis and synthesis of hydronic and pneutronic systems |                       | Optional 1  | SMAD.204.SA                  |   |   |   |         |         |        |    |               |                        |                              |    |   |   |    |         |         |        |    |               |                       |                        |                      |  |     |     |    |  |  |  |  |
| 2.05                                                  | Hidraulică proporțională /<br>Proportional Hydraulics                                                               |                       |             | SMAD.205.SA                  |   |   |   |         |         |        |    |               |                        |                              |    | 2 | 0 | 2  | 0       | 0       | 0      | 0  | 4             | Examen                | 6                      | 0                    |  |     | 124 |    |  |  |  |  |
| 2.06                                                  | Practica profesională /<br>Professional Internship                                                                  |                       |             | SMAD.206.SO                  |   |   |   |         |         |        |    |               |                        |                              |    | 0 | 0 | 0  | 0       | 0       | 0      | 12 | 0             | Verificare            | 0                      | 10                   |  |     | 0   |    |  |  |  |  |
| TOTAL                                                 |                                                                                                                     |                       |             | 8                            | 0 | 4 | 2 | 0       | 0       | 12     | 14 | 4E+<br>1V+0C  | 20                     | 10                           | 7  | 0 | 7 | 0  | 0       | 0       | 12     | 14 | 4E+<br>1V+0C  | 20                    | 10                     |                      |  | 808 |     |    |  |  |  |  |
| TOTAL ORE PE SĂPTĂMÂNĂ/<br>TOTAL NUMBER OF HOURS/WEEK |                                                                                                                     |                       |             | 14                           |   |   |   |         |         | 12     |    |               |                        | 14                           |    |   |   | 14 |         |         |        | 12 |               |                       |                        | 14                   |  |     |     | 30 |  |  |  |  |
|                                                       |                                                                                                                     |                       |             | 26                           |   |   |   |         |         | 14     |    |               |                        | 30                           |    |   |   | 26 |         |         |        | 14 |               |                       |                        | 30                   |  |     |     |    |  |  |  |  |
|                                                       |                                                                                                                     |                       |             | 40                           |   |   |   |         |         |        |    |               |                        |                              |    |   |   | 40 |         |         |        |    |               |                       |                        |                      |  |     |     |    |  |  |  |  |
| Discipline facultative/<br>Facultative subjects       |                                                                                                                     |                       |             |                              |   |   |   |         |         |        |    |               |                        |                              |    |   |   |    |         |         |        |    |               |                       |                        |                      |  |     |     |    |  |  |  |  |
| 2.07                                                  | Interfețe pentru sistemele CNC /<br>Interfaces for CNC systems                                                      |                       | SMAD.207.SU |                              |   |   |   |         |         |        |    |               |                        |                              | 1  | 0 | 2 | 0  | 0       | 0       | 0      | 3  | Examen        | 4                     | 0                      |                      |  | 78  |     |    |  |  |  |  |
| TOTAL                                                 |                                                                                                                     |                       |             | 0                            | 0 | 0 | 0 |         |         | 0      | 0  | 0E+<br>0V+0C  |                        | 0                            | 1  | 0 | 2 | 0  | 0       | 0       | 0      | 3  | 1E+<br>0V+0C  | 4                     | 0                      |                      |  | 78  |     |    |  |  |  |  |
| TOTAL ORE PE SĂPTĂMÂNĂ/<br>TOTAL NUMBER OF HOURS/WEEK |                                                                                                                     |                       |             | 0                            |   |   |   |         |         | 0      |    |               |                        |                              |    |   |   | 3  |         |         |        | 0  |               |                       |                        | 3                    |  |     |     |    |  |  |  |  |
|                                                       |                                                                                                                     |                       |             | 0                            |   |   |   |         |         | 0      |    |               |                        |                              |    |   |   | 3  |         |         |        | 3  |               |                       |                        |                      |  |     |     |    |  |  |  |  |
|                                                       |                                                                                                                     |                       |             | 0                            |   |   |   |         |         |        |    |               |                        |                              |    |   |   | 6  |         |         |        |    |               |                       |                        |                      |  |     |     |    |  |  |  |  |

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Prof.univ.dr.

Director Departament  
conf. dr. ing.