**APPROVED**

**TheSenate meetingdated**

 **…………..**

**PRESIDENT OF THE SENATE**

 **Assoc. Prof. Nicolae BRÎNZEA**

**CURRICULUM**

**the academic year2014-2015**

**University of Pitesti**

|  |  |
| --- | --- |
| ***Master's degree program*** | **Modeling, SimulationandDesign ofElectromechanical Systems(MSDES)** |
| ***Domeniul fundamental*** | **Engineering Sciences** |
| ***Domeniul de master*** | **Electrical Engineering** |
| ***Faculty*** | **ELECTRONICS, COMUNICATIONS AND COMPUTER SCIENCE**  |
| ***Duration*** | **3 semesters** |
| ***Form of teaching:****frequency(F) /low frequency(IFR) /distance(ID)* | **frequency(F)** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **UNIVERSITY OF PITESTI** |  |  | **APPROVED** |  |  |  |  |  |
| **ELECTRONICS, COMUNICATIONS AND COMPUTER SCIENCE FACULTY** |  | **TheSenate meetingdated** |  |  |
| **Field of study: ELECTRICAL ENGINEERING** |  |  |  |  |  |  |  |  |  |
| **Master: Modeling, SimulationandDesign ofElectromechanical Systems(MSDES)** |  |  | **PRESIDENT OF THE SENATE,** |  |  |
|  |  |  |  | **Assoc.Prof. Nicolae BRÎNZEA** |  |  |
|  | **CURRICULUM** |  |  |
|  |  |  | *Academic year: 2014-2015* |  |  |
|  | **Anul:** | **I** | **Semester:** | **I (1)** | /14 week. |  |  |
| **Nr. crt.** | **Discipline** | **Hours/week** | **PC** | **Eval. form.** | Indiv. study. total | Discipline type |
| **Name** | **Code** | **C** | **S** | **L** | **P** |
| 1 | *Complements of Mathematics* | 36.04.F1.O.16.01 | 2 | 1 |   |   | 5 | E | 28 | Depth Study |
| 2 | *Special Aspects of Electrotechnics* | 36.04.S1.O.16.02 | 2 | 1 |  |   | 7 | E | 56 | Depth Study |
| 3 | *Programmable Electronic Systems* | 36.04.D1.O.16.03 | 1 |   | 2 |   | 6 | V | 42 | Advancedknowledge |
| 4 | *Modeling and simulation ofelectromechanical systems* | 36.04.S1.O.16.04 | 2 |   | 1 |   | 8 | E | 70 | Depth Study |
| 5 | *Management of Research and Scientific Communication* | 36.04.S1.O.16.05 | 1 |   |   | 1 | 4 | C | 28 | Synthesis |
| **TOTAL**  | **8** | **2** | **3** | **1** | **30** |  | **224** |   |
|  | **Totalhours per week:** | **14** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Anul:** | **I** | **Semester:** | **II (2)** | /14 week |  |  |
| **Nr. crt.** | **Discipline** | **Hours/week** | **PC** | **Eval. form.** | Indiv. study. total | Discipline type |
| **Name** | **Code** | **C** |  |  |  |
| 6 | *Electricactuators* | 36.04.S2.O.16.06 | 2 |  | 1 |  | 7 | E | 56 | Depth Study |
| 7 | *Computer aided designof electrical machines* | 36.04.S2.O.16.07 | 2 |  | 1 | 1 | 8 | E | 56 | Advancedknowledge |
| 8 | *Computer aided designofmechatronic systems* | 36.04.S2.O.16.08 | 2 |  | 1 | 1 | 8 | E | 56 | Synthesis |
| 9 | *AutomaticDrivingArchitectures* | 36.04.S2.O.16.09 | 2 |  | 1 |  | 7 | E | 56 | Depth Study |
| **TOTAL**  | **8** | **0** | **4** | **2** | **30** |  | **224** |  |
|  | **Totalhours per week:** | **14** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | *Academic year: 2014-2015* |  |  |
|  | **Anul:** | **II** | **Semester:** | **I (3)** | /14 week |  |  |
| **Nr. crt.** | **Discipline** | **Hours/week** | **PC** | **Eval. form.** | Indiv. study. total | Discipline type |
| **Name** | **Code** | **C** |  |  |  |
| 10 | *Artificial IntelligenceinElectromechanical System Control* | 36.04.S3.O.16.10 | 1 |   | 1 |   | 7 | E | 70 | Synthesis |
| 11 | *CADinElectrical Engineering* | 36.04.S3.O.16.11 | 1 |   |  1 |  | 6 | E | 56 | Depth Study |
| 12 | *Industrial Software* | 36.04.S3.O.16.12 | 2 |   | 2 |   | 7 | E | 42 | Synthesis |
| 13 | *Renewable Energy Sources* | 36.04.D3.O.16.13 |  2 |   |  2 |  | 7 | E | 42 | Advancedknowledge |
| 14 | *Dissertation Research Design Development Activity* | 36.04.D3.O.16.14 |  |  |  | 2 | 3 | C | 14 | Synthesis |
| **TOTAL**  | **6** | **0** | **6** | **2** | **30** |  | **224** |   |
|  | **Totalhours per week:** | **14** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Rector, | Dean, |  |  |  | DepartmentDirector, |  |
| Prof. Ionel DIDEA | Prof. Nicu BIZON |  |  | Prof. Dr. Ing. Ioan LITA |  |
|  |  |  |  | ECTS CoordinatorAssoc. Prof. Eugen. DIACONESCU |  |

### **GENERALBALANCE SHEETI**

|  |  |  |
| --- | --- | --- |
| **Nr. crt.** | **Discipline** | **Total** |
| **An I** | **An II** | **hours** | **%** |
| 1 | Required | 392 | 196 | 588 | 100 |
| **TOTAL** | **392** | **196** | **588** | 100 |

### **GENERALBALANCE SHEETII**

|  |  |  |
| --- | --- | --- |
| **Nr. crt.** | **Discipline** | **Total**  |
| **An I** | **An II** | **hours** | **%** |
| 1 | Depth Study | 210 | 28 | 238 | 40% |
| 2 | Advancedknowledge | 98 | 56 | 154 | 26% |
| 3 | Synthesis | 84 | 112 | 196 | 34% |
| **TOTAL** | **392** | **196** | **588** | **100%** |

RECTOR, DEAN,

 Prof. Ionel DIDEA Prof. Nicu BIZON

 DEPARTAMENT DIRECTOR, STUDIESPROGRAMCOORDINATOR,

Prof. Ioan LIŢĂ Assoc. Prof. Eugen DIACONESCU