

Plan invatamant

Anul: I

Semestrul: I

I

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|------------------------------------------------------|-------------------|---------------|----------|----------|----------|--------------|-----------|---------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Analiza matematica I | UPB.05.F.01.O.201 | 2 | 2 | | | 2 | 5 | E |
| 2 | Algebra liniara, geometrie analitica si diferentiale | UPB.05.F.01.O.202 | 2 | 2 | | | 2 | 5 | E |
| 3 | Chimie | UPB.05.F.01.O.203 | 2 | | 1 | | 1.5 | 3 | E |
| 4 | Mecanica I | UPB.05.D.01.O.204 | 2 | 1 | | | 1.5 | 3 | E |
| 5 | Grafica asistata de calculator I | UPB.05.F.01.O.205 | 1 | | 2 | | 1.5 | 4 | V |
| 6 | Utilizarea materialelor si tehnologii de fabricatie | UPB.05.D.01.O.206 | 2 | | 2 | | 2 | 5 | V |
| 7 | Informatica aplicata I | UPB.05.F.01.O.207 | 1 | | 2 | | 2 | 3 | V |
| 8 | Limbi moderne I | UPB.05.C.01.O.208 | | 1 | | | 1 | 1 | V |
| 9 | Educatie fizica si sport I | UPB.05.C.01.O.209 | | | 1 | | 0.5 | 1 | V |
| TOTAL discipline obligatorii (O) | | | 12 | 6 | 8 | 0 | 14 | 30 | 4E, 5V |
| Discipline optionale (A) | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| TOTAL discipline optionale (A) | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL discipline obligatorii (O) și optionale (A) | | | 12 | 6 | 8 | 0 | 14 | 30 | 4E, 5V |
| TOTAL ore didactice pe săptămână | | | 26 | | | | | | |
| Discipline liber alese (L) | | | | | | | | | |
| 1 | Educatie fizica si sport L1 | UPB.05.C.01.L.201 | | | 1 | | | 1 | V |
| 2 | Limbi moderne L1 | UPB.05.C.01.L.202 | | 1 | | | | 1 | V |
| 3 | Psihologia educatiei | | 2 | 2 | | | | 5 | E |
| 4 | Istoria culturii si civilizatiei | UPB.05.C.01.L.203 | 2 | 1 | | | | 3 | V |
| 5 | Limba moderna LS I (spaniola) | UPB.05.C.01.L.204 | | 1 | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 4 | 5 | 1 | 0 | 0 | 11 | 1E,4V |

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Anul: I

Semestrul:

II

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|-----------------------------------------------------|-------------------|---------------|----------|----------|----------|--------------|-----------|---------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Analiza matematica II | UPB.05.F.02.O.210 | 2 | 2 | | | 2 | 5 | E |
| 2 | Mecanica II | UPB.05.D.02.O.211 | 2 | 1 | | | 1.5 | 3 | E |
| 3 | Fizica I | UPB.05.F.02.O.212 | 2 | 1 | | | 2 | 4 | E |
| 4 | Grafica asistata de calculator II | UPB.05.F.02.O.213 | 1 | | 2 | | 1.5 | 4 | V |
| 5 | Informatica aplicata II | UPB.05.F.02.O.214 | 1 | | 2 | | 1.5 | 4 | V |
| 6 | Economie generala | UPB.05.C.02.O.215 | 2 | | | | 1 | 4 | V |
| 7 | Comunicare manageriala | UPB.05.C.02.O.216 | 2 | | | | 1 | 2 | V |
| 8 | Limbi moderne II | UPB.05.C.02.O.217 | | 2 | | | 2 | 1 | V |
| 9 | Educatie fizica si sport II | UPB.05.C.02.O.218 | | | 1 | | 0.5 | 1 | V |
| TOTAL discipline obligatorii (O) | | | 12 | 6 | 5 | 0 | 13 | 28 | 3E, 6V |
| Discipline optionale (A) | | | | | | | | | |
| 1 | Proprietate industrială și intelectuală | UPB.05.C.02.A.201 | 3 | | | | 1 | 2 | E |
| 2 | Managementul proiectelor de dezvoltare a produselor | UPB.05.C.05.A.202 | | | | | | | |
| TOTAL discipline optionale (A) | | | 3 | 0 | 0 | 0 | 1 | 2 | 1E |
| TOTAL discipline obligatorii (O) și optionale (A) | | | 15 | 6 | 5 | 0 | 14 | 30 | 4E, 6V |
| TOTAL ore didactice pe săptămână | | | 26 | | | | | | |
| 1 | Educatie fizica si sport L2 | UPB.05.C.02.L.205 | | | 1 | | | 1 | V |
| 2 | Limba moderna L2 | UPB.05.C.02.L.206 | | 1 | | | | 1 | V |
| 3 | Pedagogie I | | 2 | 2 | | | | 5 | E |
| 4 | Limba moderna LS II (spaniola) | UPB.05.C.02.L.207 | | 1 | | | | 1 | V |
| 5 | Practica 1 (1PC/60 ore) | | | | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 0 | 4 | 1 | 0 | 0 | 9 | 1E,4V |

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Anul: II

Semestrul: I

I

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|--------------------------------------------------|-------------------|---------------|----------|----------|----------|--------------|-----------|---------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Matematici speciale | UPB.05.F.03.O.219 | 2 | 2 | | | 2 | 5 | E |
| 2 | Rezistenta materialelor | UPB.05.D.03.O.220 | 3 | 2 | | | 2.5 | 5 | E |
| 3 | Servomecanisme | UPB.05.S.03.O.221 | 2 | | 1 | 1 | 2 | 5 | E |
| 4 | Control dimensional si metrologie | UPB.05.D.03.O.222 | 2 | | 1 | | 1.5 | 4 | E |
| 5 | Programarea calculatoarelor si limbaje de progra | UPB.05.F.03.O.223 | 1 | | 2 | | 2 | 4 | V |
| 6 | Electrotehnica industriala | UPB.05.D.03.O.224 | 2 | | 1 | | 1.5 | 3 | V |
| 7 | Fizica II | UPB.05.F.03.O.225 | 1 | | 1 | | 1 | 2 | V |
| 8 | Limbi moderne III | UPB.05.C.03.O.226 | | 1 | | | 1 | 1 | V |
| 9 | Educatie fizica si sport III | UPB.05.C.03.O.227 | | | 1 | | 0.5 | 1 | V |
| TOTAL discipline obligatorii (O) | | | 13 | 5 | 7 | 1 | 14 | 30 | 4E, 5V |
| Discipline optionale (A) | | | | | | | | | |
| | | | | | | | | | |
| TOTAL discipline optionale (A) | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL discipline obligatorii (O) și optionale (A) | | | 13 | 5 | 7 | 1 | 14 | 30 | 4E, 5V |
| TOTAL ore didactice pe săptămână | | | 26 | | | | | | |
| Discipline liber alese (L) | | | | | | | | | |
| 1 | Limba moderna L3 | UPB.05.C.03.L.208 | | 1 | | | | 1 | V |
| 2 | Pedagogie II | | 2 | 2 | | | | 5 | E |
| 3 | Educatie fizica si sport L3 | UPB.05.C.03.L.209 | | | 1 | | | 1 | V |
| 4 | Limba moderna LS III (spaniola) | UPB.05.C.03.L.210 | | 1 | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 2 | 4 | 1 | 0 | 0 | 8 | 1E,3V |

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Anul: II

Semestrul:

II

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|--------------------------------------------------|-------------------|---------------|----------|----------|----------|--------------|-----------|---------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Teoria probabilitatilor si statistica matematica | UPB.05.F.04.O.228 | 2 | 1 | | | 1.5 | 3 | E |
| 2 | Elemente constructive de mecatronica I | UPB.05.S.04.O.229 | 3 | | 1 | 1 | 2.5 | 5 | E |
| 3 | Bazele sistemelor mecatronice | UPB.05.D.04.O.230 | 3 | | 1 | 1 | 2.5 | 5 | E |
| 4 | Senzori si sisteme senzoriale | UPB.05.D.04.O.231 | 3 | | 2 | | 2.5 | 6 | E |
| 5 | Tehnologii și sisteme integrate de fabricație | UPB.05.S.04.O.232 | 2 | | 1 | | 1 | 4 | E |
| 6 | Metode numerice | UPB.05.F.04.O.233 | 2 | | 2 | | 2 | 5 | V |
| 7 | Limbi moderne IV | UPB.05.C.04.O.234 | | 1 | | | 0.5 | 1 | V |
| 8 | Educatie fizica si sport IV | UPB.05.C.04.O.235 | | | 1 | | 0.5 | 1 | V |
| TOTAL discipline obligatorii (O) | | | 15 | 2 | 8 | 2 | 13 | 30 | 5E, 3V |
| Discipline opționale (A) | | | | | | | | | |
| | | | | | | | | | |
| TOTAL discipline opționale (A) | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL discipline obligatorii (O) și opționale (A) | | | 15 | 2 | 8 | 2 | 13 | 30 | 5E, 3V |
| TOTAL ore didactice pe săptămână | | | 27 | | | | | | |
| Discipline liber alese (L) | | | | | | | | | |
| 1 | Limba moderna L4 | UPB.05.C.04.L.211 | | 1 | | | | 1 | V |
| 2 | Educatie fizica si sport L4 | UPB.05.C.04.L.212 | | | 1 | | | 1 | V |
| 3 | Complemente de fizica | UPB.05.C.04.L.213 | 2 | 1 | | | | 3 | V |
| 4 | Didactica specialitatii | | 2 | 2 | | | | 5 | E |
| 5 | Estetica Industriala si design industrial | UPB.05.C.04.L.214 | 1 | | 2 | | | 2 | V |
| 6 | Limba moderna LS IV (spaniola) | UPB.05.C.04.L.215 | | 1 | | | | 1 | V |
| 7 | Practica II (1PC/60 ore) | | | | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 5 | 5 | 3 | 0 | 0 | 14 | 1E,6V |

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Anul: III

Semestrul: I

I

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|-----------------------------------------|-------------------|---------------|----------|----------|----------|--------------|-----------|---------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Elemente constructive de mecatronica II | UPB.05.S.05.O.238 | 3 | | 1 | 1 | 2.5 | 6 | E |
| 2 | Bazele sistemelor automate | UPB.05.D.05.O.239 | 2 | | 1 | | 1.5 | 4 | E |
| 3 | Componente mecatronice digitale | UPB.05.S.05.O.240 | 2 | | 1 | 1 | 2.5 | 5 | E |
| 4 | Automatizari pneumatice si hidraulice | UPB.05.S.05.O.241 | 3 | | 2 | | 2.5 | 5 | E |
| 5 | Dinamica sistemelor mecatronice | UPB.05.D.05.O.242 | 1 | | 1 | | 1 | 2 | V |
| 6 | Programare in JAVA | UPB.05.D.05.O.243 | 2 | | 1 | 1 | 2.5 | 4 | E |
| TOTAL discipline obligatorii (O) | | | 13 | 0 | 7 | 3 | 12.5 | 26 | 5E, 1V |
| Discipline optionale (A) | | | | | | | | | |
| 1 | Termotehnica | UPB.05.D.05.A.203 | 2 | 2 | | | 1.5 | 4 | E |
| 2 | Mecanica fluidelor | UPB.05.D.05.A.204 | | | | | | | |
| TOTAL discipline optionale (A) | | | 2 | 2 | 0 | 0 | 1.5 | 4 | 1E |
| TOTAL discipline obligatorii (O) și optionale (A) | | | 15 | 2 | 7 | 3 | 14 | 30 | 6E, 1V |
| TOTAL ore didactice pe săptămână | | | 27 | | | | | | |
| Discipline liber alese (L) | | | | | | | | | |
| 1 | Practica pedagogica I | UPB.05.C.05.L.214 | | | 3 | | | 3 | E |
| 2 | Limba moderna L V | | | 2 | | | | 1 | V |
| 3 | Complemente de mecanica fluidelor | UPB.05.C.05.L.215 | 2 | 1 | | | | 3 | V |
| 4 | Limba moderna LS V (spaniola) | UPB.05.C.05.L.216 | | 1 | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 2 | 4 | 3 | 0 | 0 | 8 | 1E,3V |

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Anul: III

Semestrul:

II

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|-----------------------------------------------------------|-------------------|---------------|----------|----------|----------|--------------|-----------|---------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Optica tehnica | UPB.05.S.06.O.244 | 2 | 1 | 1 | | 2 | 4 | E |
| 2 | Proiectarea asistata de calculator | UPB.05.D.06.O.245 | 2 | | | 3 | 3 | 4 | E |
| 3 | Microprocesoare, microcontrolere | UPB.05.D.06.O.246 | 2 | | 2 | | 2 | 4 | E |
| 4 | Automate programabile | UPB.05.S.06.O.247 | 2 | | 2 | 1 | 2 | 4 | E |
| 5 | Ingineria calitatii | UPB.05.S.06.O.248 | 2 | | 2 | | 2 | 4 | V |
| 6 | Sisteme de achizitie si interfete-instrumentatie virtuala | UPB.05.D.06.O.249 | 2 | | 2 | | 2 | 4 | V |
| 7 | Practica 360 ore | UPB.05.D.06.O.250 | | | | | 1 | 6 | V |
| TOTAL discipline obligatorii (O) | | | 12 | 1 | 9 | 4 | 14 | 30 | 4E, 3V |
| Discipline optionale (A) | | | | | | | | | |
| TOTAL discipline optionale (A) | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL discipline obligatorii (O) și optionale (A) | | | 12 | 1 | 9 | 4 | 14 | 30 | 4E, 3V |
| TOTAL ore didactice pe săptămână | | | 26 | | | | | | |
| Discipline liber alese (L) | | | | | | | | | |
| 1 | Managementul clasei de elevi | UPB.05.C.06.L.217 | 1 | 1 | | | | 3 | E |
| 2 | Practica pedagogica II | | | | 3 | | | 2 | V |
| 3 | Examen de absolvie, Nivelul I | | | | | | | 5 | E |
| 4 | Limba moderna L VI | | | 2 | | | | 1 | V |
| 5 | Management industrial | UPB.05.C.06.L.218 | 2 | 1 | | | | 3 | V |
| 6 | Limba moderna LS VI (spaniola) | UPB.05.C.06.L.219 | | 1 | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 3 | 5 | 3 | 0 | 0 | 15 | 2E,3V |

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Anul: IV

Semestrul:

I

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|-----------------------------------------|-------------------|---------------|----------|----------|----------|--------------|-----------|---------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Proiectarea sistemelor mecatronice | UPB.05.S.07.O.101 | 3 | | 2 | 2 | 3.5 | 7 | E |
| 2 | Actionari electrice | UPB.05.S.07.O.102 | 2 | | 2 | | 2 | 5 | E |
| 3 | Micro si nanotehnologii | UPB.05.S.07.O.103 | 2 | | 1 | | 2 | 4 | E |
| 4 | Robotica | UPB.05.T.07.O.104 | 3 | | 1 | 1 | 3 | 6 | E |
| 5 | Sisteme de conducere in robotica | UPB.05.T.07.O.105 | 2 | | 2 | | 2 | 5 | V |
| 6 | Inteligenta artificiala | UPB.05.T.07.O.106 | 2 | | 1 | | 1.5 | 3 | V |
| TOTAL discipline obligatorii (O) | | | 14 | 0 | 9 | 3 | 14 | 30 | 4E, 2V |
| Discipline optionale (A) | | | | | | | | | |
| | | | | | | | | | |
| TOTAL discipline optionale (A) | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL discipline obligatorii (O) și optionale (A) | | | 14 | 0 | 9 | 3 | 14 | 30 | 4E, 2V |
| TOTAL ore pe săptămână | | | 26 | | | | | | |
| Discipline liber alese (L) | | | | | | | | | |
| 1 | Proprietate industriala si intelectuala | UPB.05.T.07.L.101 | 1 | 2 | | | | 3 | V |
| 2 | Tehnici multimedia 1 | UPB.05.T.07.L.102 | 3 | 2 | | | | 5 | V |
| 3 | Limba moderna LS VII (spaniola) | UPB.05.T.07.L.103 | | 1 | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 4 | 5 | 0 | 0 | 0 | 9 | 3V |

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Anul: IV

Semestrul:

II

| Nr. crt. | Disciplina | | Ore/saptamana | | | | Stud. indiv. | PC | Forma eval. |
|----------------------------------------------------------|----------------------------------------------------|-------------------|---------------|----------|----------|-----------|--------------|-----------|-------------|
| | Denumire | Cod | C | S | L | P | | | |
| Discipline obligatorii (O) | | | | | | | | | |
| 1 | Laborator pentru elaborarea proiectului de diploma | UPB.05.T.08.O.101 | | | | 8 | 3 | 10 | V |
| 2 | Practica (60 ore) | UPB.05.T.08.O.102 | | | | | 0 | 1 | V |
| TOTAL discipline obligatorii (O) | | | 0 | 0 | 0 | 8 | 3 | 11 | 2V |
| Discipline opționale (A) | | | | | | | | | |
| 1 | Microrobotica | UPB.05.S.08.A.101 | 1.5 | | 1 | 1 | 2 | 4 | V |
| | Informatica industrială | UPB.05.S.08.A.106 | | | | | | | |
| | Sisteme inteligente de protezare și ortezare | UPB.05.S.08.A.111 | | | | | | | |
| 2 | Sisteme de acționare inteligente | UPB.05.S.08.A.102 | 2 | | 1 | 1 | 2 | 4 | V |
| | Optomecatronica | UPB.05.S.08.A.107 | | | | | | | |
| | Mecatronica sistemelor biomedicale | UPB.05.S.08.A.112 | | | | | | | |
| 3 | Roboti mobili | UPB.05.S.08.A.103 | 1.5 | | 2 | | 2 | 4 | V |
| | Sisteme flexibile de asamblare și control | UPB.05.S.08.A.108 | | | | | | | |
| | Roboti pentru recuperare și reabilitare | UPB.05.S.08.A.113 | | | | | | | |
| 4 | Hidronica și pneumatică | UPB.05.S.08.A.104 | 2 | | 2 | | 2 | 4 | V |
| | Automate programabile | UPB.05.S.08.A.109 | | | | | | | |
| | Aparate pentru investigații funcționale și terapie | UPB.05.S.08.A.114 | | | | | | | |
| 5 | Software pentru sisteme mecatronice | UPB.05.S.08.A.105 | 2 | | 2 | | 2 | 3 | V |
| | Transmisii de date | UPB.05.S.08.A.110 | | | | | | | |
| | Sisteme medicale microelectromecanice (MEMS) | UPB.05.S.08.A.115 | | | | | | | |
| TOTAL discipline opționale (A) | | | 9 | 0 | 8 | 2 | 10 | 19 | 6V |
| TOTAL discipline obligatorii (O) și opționale (A) | | | 9 | 0 | 8 | 10 | 13 | 30 | 8V |
| TOTAL ore pe săptămână | | | | | | 27 | | | |
| Discipline liber alese (L) | | | | | | | | | |
| 1 | Sisteme de telemetrie utilizate în mecatronica | UPB.05.T.08.L.101 | 2 | | 2 | | | 5 | V |
| 2 | Baze de date | UPB.05.T.08.L.104 | 2 | | 2 | | | 5 | V |
| 3 | Tehnici multimedia 2 | UPB.05.T.08.L.105 | 2 | | 1 | 1 | | 5 | V |
| 4 | Limba modernă LS VIII (spaniolă) | UPB.05.T.08.L.106 | | 1 | | | | 1 | V |
| TOTAL discipline liber alese (L) | | | 6 | 1 | 5 | 1 | 0 | 16 | 4V |

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