

| CODUL SI DENUMIREA DISCIPLINEI | Anul : I | | | | | Forma de verificare E C V | Nr.ore/disciplina | | | | Credite/sem | | Disciplina | | | | | | | | | |
|---|---------------|----------|----------|----------|-----------|------------------------------|-------------------|----------|----------|-----------|-------------|-------|------------|-----|-------------|------------|------------|------------|-------------|-------------|--|--|
| | SEM 1 14 sapt | | | | | | SEM 2 14 sapt | | | | | Total | C | Apl | St. ind | 1 | 2 | cat | tip | | | |
| | C | S | L | P | Pr/Ce | | C | S | L | P | Pr/Ce | | | | | | | | | | | |
| 1.00 Notiuni fundamentale de inteligenta artificiala | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | | DA | DI | | | | | | | |
| 2.00 Software pentru procesari de semnale,imagini si inteligenta artificiala | 1 | 0 | 2 | 0 | 0 | | Nota | 100 | 14 | 28 | 58 | 4.0 | | DS | DI | | | | | | | |
| 3.00 Prelucrarea statistica a semnalelor | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | | DA | DI | | | | | | | |
| 4.00 Metode matematice si algoritmi numerici pentru prelucrare de semnale, imagini si invatare automata | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | | DA | DI | | | | | | | |
| 5.00 Etica si integritate academica | 1 | 0 | 0 | 0 | 0 | | Nota | 50 | 14 | 0 | 36 | 2.0 | | DC | DI | | | | | | | |
| 6.10 Reprezentari rare pentru procesarea semnalului si a imaginii | 1 | 0 | 1 | 0 | 0 | | Nota | 100 | 14 | 14 | 72 | 4.0 | | DS | DO | | | | | | | |
| 6.20 Tehnologii de inteligenta artificiala pentru aplicatii mobile | 1 | 0 | 1 | 0 | 0 | | Nota | 100 | 14 | 14 | 72 | 4.0 | | DS | DO | | | | | | | |
| 6.30 Realitate virtuala si augmentata | 1 | 0 | 1 | 0 | 0 | | Nota | 100 | 14 | 14 | 72 | 4.0 | | DS | DO | | | | | | | |
| 6.40 Tehnici de compresie a semnalului audio | 1 | 0 | 1 | 0 | 0 | | Nota | 100 | 14 | 14 | 72 | 4.0 | | DS | DO | | | | | | | |
| 7.00 Activitate de cercetare / Practica 1 | 0 | 0 | 0 | 0 | 13 | | Nota | 200 | 0 | 182 | 18 | 8.0 | | DS | DI | | | | | | | |
| 8.00 Tehnici avansate de procesare a imaginilor si a secventelor video | | | | | | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | DA | DI | | | |
| 9.10 Viziune computerizata | | | | | | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | DS | DO | | | |
| 9.20 Analiza, sinteza si recunoasterea semnalului vocal | | | | | | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | DS | DO | | | |
| 10.00 Tehnici de invatare automata | | | | | | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | DS | DI | | | |
| 11.10 Arhitecturi reconfigurabile pentru procesare de semnale, imagini si inteligenta artificiala | | | | | | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | DS | DO | | | |
| 11.20 Rețele de senzori inteligenti cu Internetul obiectelor | | | | | | 2 | 0 | 1 | 0 | 0 | | Nota | 100 | 28 | 14 | 58 | 4.0 | DS | DO | | | |
| 12.00 Proiect de cercetare 1 | | | | | | 0 | 0 | 0 | 2 | 0 | | Nota | 100 | 0 | 28 | 72 | 4.0 | DS | DI | | | |
| 13.00 Activitate de cercetare / Practica 2 | | | | | | 0 | 0 | 0 | 0 | 14 | | Nota | 250 | 0 | 196 | 54 | 10.0 | DS | DI | | | |
| TOTAL AN | 9 | 0 | 6 | 0 | 13 | 8 | 0 | 4 | 2 | 14 | sem1 | 5 | 1 | 1 | 1500 | 238 | 546 | 716 | 30.0 | 30.0 | | |
| | | | | | | | | | | | sem2 | 4 | 1 | 1 | | | | | | | | |
| 201.00 Psihopedagogia adolescentilor, tinerilor si adultilor | 2 | 1 | 0 | 0 | 0 | | | | | | | Nota | 125 | 28 | 14 | 83 | 5.0 | | DC | DFac | | |

Rector,
Prof.Dr.Ing.Vasile Topa

Decan,
Prof. dr. ing. Ovidiu Aurel Pop

Director departament,
Prof. dr. ing. Virgil Mircea Dobrota

| | | | | | | | | | | |
|---|-------------------|-------------------|--------------------------|-----|----|----|-----|----------|----|------|
| 301.00 Voluntariat 1 | 0 1 0 0 0 | | A/R | 50 | 0 | 14 | 36 | 2.0 | DC | DFac |
| 202.00 Proiectarea si managementul programelor educationale | | 2 1 0 0 0 | Nota | 125 | 28 | 14 | 83 | 5.0 | DC | DFac |
| 203.10 Comunicare educationala | | 1 2 0 0 0 | Nota | 125 | 14 | 28 | 83 | 5.0 | DC | DFac |
| 203.20 Metodologia cercetarii educationale | | 1 2 0 0 0 | Nota | 125 | 14 | 28 | 83 | 5.0 | DC | DFac |
| 203.30 Orientari moderne in teoria si practica evaluarii | | 1 2 0 0 0 | Nota | 125 | 14 | 28 | 83 | 5.0 | DC | DFac |
| 302.00 Voluntariat 2 | | 0 1 0 0 0 | A/R | 50 | 0 | 14 | 36 | 2.0 | DC | DFac |
| TOTAL AN | 2 2 0 0 0 4.00 | 3 4 0 0 0 7.00 | sem1 1 0 1 sem2 2 0 1 | 475 | 70 | 84 | 321 | 7.0 12.0 | | |

Rector,
Prof.Dr.Ing.Vasile Topa

Decan,
Prof. dr. ing. Ovidiu Aurel Pop

Director departament,
Prof. dr. ing. Virgil Mircea Dobrota

| CODUL SI DENUMIREA DISCIPLINEI | Anul : II | | | | | | | | | | Forma de verificare | | | Nr.ore/disciplina | | | | Credite/sem | | Disciplina | | |
|---|---------------|----------|----------|----------|-----------|---------------|----------|----------|----------|-----------|---------------------|---|-----|-------------------|-------------|-----------|------------|-------------|-------------|-------------|------|--|
| | SEM 1 14 sapt | | | | | SEM 2 14 sapt | | | | | E | C | V | Total | C | Apl | St. ind | 1 | 2 | cat | tip | |
| | C | S | L | P | Pr/Ce | C | S | L | P | Pr/Ce | | | | | | | | | | | | |
| 14.00 Securitatea cibernetica bazata pe inteligenta artificiala | 1 | 0 | 2 | 0 | 0 | | | | | | | | | 100 | 14 | 28 | 58 | 4.0 | | DA | DI | |
| 15.00 Bioinformatica | 1 | 0 | 2 | 0 | 0 | | | | | | | | | 100 | 14 | 28 | 58 | 4.0 | | DS | DI | |
| 16.00 Retele neuronale si invatare profunda | 2 | 0 | 1 | 0 | 0 | | | | | | | | | 100 | 28 | 14 | 58 | 4.0 | | DS | DI | |
| 17.00 Data mining | 1 | 0 | 2 | 0 | 0 | | | | | | | | | 100 | 14 | 28 | 58 | 4.0 | | DS | DI | |
| 18.10 Codarea si compresia imaginilor si a secventelor video | 1 | 0 | 1 | 0 | 0 | | | | | | | | | 100 | 14 | 14 | 72 | 4.0 | | DA | DO | |
| 18.20 Predictia traficului in retele de telecomunicatii folosind inteligenta artificiala | 1 | 0 | 1 | 0 | 0 | | | | | | | | | 100 | 14 | 14 | 72 | 4.0 | | DA | DO | |
| 18.30 Comunicatii cognitive | 1 | 0 | 1 | 0 | 0 | | | | | | | | | 100 | 14 | 14 | 72 | 4.0 | | DA | DO | |
| 18.40 Procesarea limbajului natural | 1 | 0 | 1 | 0 | 0 | | | | | | | | | 100 | 14 | 14 | 72 | 4.0 | | DA | DO | |
| 19.00 Activitate de cercetare / Practica 3 | 0 | 0 | 0 | 0 | 14 | | | | | | | | | 250 | 0 | 196 | 54 | 10.0 | | DS | DI | |
| 20.00 Activitate de cercetare / Practica 4 | | | | | | 0 | 0 | 0 | 0 | 14 | | | | 250 | 0 | 196 | 54 | | 10.0 | DS | DI | |
| 21.00 Elaborare lucrare de disertatie | | | | | | 0 | 0 | 0 | 9 | 0 | | | | 250 | 0 | 126 | 124 | | 10.0 | DS | DI | |
| 22.00 Practica pentru elaborarea lucrarii de disertatie | | | | | | 0 | 0 | 0 | 0 | 5 | | | | 250 | 0 | 70 | 180 | | 10.0 | DS | DI | |
| 23.00 Sustinere lucrare de disertatie | | | | | | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0 | 0 | 0 | | 10.0 | DS | DI | |
| TOTAL AN | 6 | 0 | 8 | 0 | 14 | 0 | 0 | 0 | 9 | 14 | sem1 | 5 | 1 | 0 | 1500 | 84 | 700 | 716 | 30.0 | 30.0 | | |
| | | | | | | | | | | | sem2 | 0 | 3 | 0 | | | | | | + 10 | | |
| 100.00 Introducere in informatia cuantica | 2 | 0 | 2 | 0 | 0 | | | | | | | | | 75 | 28 | 28 | 19 | 3.0 | | DA | DFac | |
| 204.00 Didactica domeniului si dezvoltari in didactica specializarii (invatamant liceal, postliceal, dupa caz) | 2 | 1 | 0 | 0 | 0 | | | | | | | | | 125 | 28 | 14 | 83 | 5.0 | | DC | DFac | |
| 205.10 Managementul organizatiei scolare | 1 | 2 | 0 | 0 | 0 | | | | | | | | | 125 | 14 | 28 | 83 | 5.0 | | DC | DFac | |
| 205.20 Educatie metacognitiva | 1 | 2 | 0 | 0 | 0 | | | | | | | | | 125 | 14 | 28 | 83 | 5.0 | | DC | DFac | |
| 205.30 Educatie interculturala | 1 | 2 | 0 | 0 | 0 | | | | | | | | | 125 | 14 | 28 | 83 | 5.0 | | DC | DFac | |
| 303.00 Voluntariat 3 | 0 | 1 | 0 | 0 | 0 | | | | | | | | A/R | 50 | 0 | 14 | 36 | 2.0 | | DC | DFac | |
| 206.00 Practica pedagogica de specialitate in invatamantul preuniversitar (invatamant liceal, postliceal, dupa caz) | | | | | | 0 | 0 | 0 | 0 | 3 | | | | 125 | 0 | 42 | 83 | | 5.0 | DC | DFac | |
| 207.00 Examen de absolvire: nivelul II | | | | | | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0 | 0 | 0 | | 5.0 | DC | DFac | |

Rector,
Prof.Dr.Ing.Vasile Topa

Decan,
Prof. dr. ing. Ovidiu Aurel Pop

Director departament,
Prof. dr. ing. Virgil Mircea Dobrota

FACULTATE FACULTATEA DE ELECTRONICA,TELECOMUNICATII SI TEHNOLOGIA INFORMATIEI

DOMENIU INGINERIE ELECTRONICA, TELECOMUNICATII SI TEHNOLOGII INFORMATIONALE

SPECIALIZARE INTELIG.ARTIF.SI PRELUCRARI DE SEMNALE IN ELECTRONICA SI TELECOM(ENG

Nivel de studii MASTER (DE CERCETARE)

PLAN DE INVATAMANT PENTRU PROMOTIA CARE INCEPE CU ANUL UNIVERSITAR 2024-2025

Pag. 4

| | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|-------|---|---|-----|----|---|----|------|-----|----|------|-----|----|-----|-----|------|-----|--|
| 304.00 Voluntariat 4 | | 0 | 1 | 0 | 0 | 0 | A/R | 50 | 0 | 14 | 36 | 2.0 | DC | DFac | | | | | | | |
| TOTAL AN | 5 | 4 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | sem1 | 2 | 1 | 1 | 550 | 70 | 140 | 340 | 15.0 | 7.0 | |
| | | | | 11.00 | | | | | | | sem2 | 0 | 1 | 1 | | | | | | + 5 | |

Rector,
Prof.Dr.Ing.Vasile Topa

Decan,
Prof. dr. ing. Ovidiu Aurel Pop

Director departament,
Prof. dr. ing. Virgil Mircea Dobrota

| | C | S | L | P | Pr/Ce | Credite | Examene | Colocvii si verificari | Total evaluari | Nr.examene/tot.evaluari |
|---------|-----|---|-----|-----|-------|---------|---------|------------------------|----------------|-------------------------|
| Anul I | 238 | 0 | 140 | 28 | 378 | 60 | 9 | 4 | 13 | 69 % |
| Anul II | 84 | 0 | 112 | 126 | 462 | 60 | 5 | 4 | 9 | 56 % |
| TOTAL | 322 | 0 | 252 | 154 | 840 | 120 | 14 | 8 | 22 | 64 % |

NUMAR ORE TOTAL 1568

TOTAL ORE DIDACTICE 798

TOTAL ORE DISCIPLINE DE APROFUNDARE 238

TOTAL ORE DISCIPLINE DE SINTEZA 1316

TOTAL ORE DISCIPLINE COMPLEMENTARE - TIP DC 14 1.65 % din tot.activ.didactice oblig. max 20%

NUMAR DISCIPLINE COMPLEMENTARE - TIP DC 1

TOTAL ORE CURS 322

TOTAL ORE ACTIVITATI APLICATIVE 406

TOTAL ORE ACTIV.APLIC.FARA DISC.PARTIAL ASIST. 280

RAPORT CURS / ACTIV. PRACTICE 0.79 0.80-1.20

RAPORTAT LA ACTIV.APLIC.FARA DISC.PARTIAL ASIST. 1.15

Rector,
Prof.Dr.Ing.Vasile Topa

Decan,
Prof. dr. ing. Ovidiu Aurel Pop

Director departament,
Prof. dr. ing. Virgil Mircea Dobrota