

UNIVERSITATEA **POLITEHNICA** BUCURESTI  
 FACULTATEA DE INGINERIE IN LIMBI STRAINE - FILS  
 DEPARTAMENTUL DE INGINERIE IN LIMBI STRAINE - DILS  
 Domeniul Calculatoare si tehnologia informatiei  
 MASTER Management, Inovare si Tehnologii ale Sistemelor Colaborative (in limba franceza)  
 Management, Innovation et Technologies des Systèmes Collaboratifs -MITSC  
 master de cercetare (durata 2 ani)

Anul universitar 2017 - 2018

**PLAN DE INVATAMANT**  
 PLAN D'ENSEIGNEMENT

Anul I

Semestrul I

| Nr.<br>crt.                               | Disciplina<br>Denumire  | Cod               | Ore pe saptamana |          |          |          | PC        | Forma de<br>evaluare |
|---|---|-------------------|------------------|----------|----------|----------|-----------|----------------------|
|   |   |                   | C                | S        | L        | P        |           |                      |
| Discipline obligatorii (O)                |   |                   |                  |          |          |          |           |                      |
| 1   | Data Mining and Data<br>Warehousing/Fouille de données et<br>entrepôt de données                            | UPB.12.M1.O.01-01 | 2                |          | 1        | 1        | 5         | E                    |
| 2   | Managementul cercetarii si inovarii /<br>Management de la recherche et de<br>l'innovation                   | UPB.12.M2.O.01-02 | 2                |          |          | 2        | 5         | E                    |
| 3   | Modelarea sistemelor si tehnici de<br>optimizare/ Modélisation des systèmes et<br>techniques d'optimisation | UPB.12.M1.O.01-03 | 2                |          | 1        | 1        | 5         | E                    |
| 4   | Sisteme incorporate / Systèmes embarqués  | UPB.12.M1.O.01-04 | 2                |          | 1        | 1        | 5         | E                    |
| 6   | Cercetare stiintifica 1 / Recherche 1   | UPB.12.M1.O.01-05 | 12               |          |          |          | 10        | P                    |
| Total discipline obligatorii (O)          |   |                   | <b>8</b>         | <b>0</b> | <b>3</b> | <b>5</b> | <b>30</b> |                      |
| Discipline optionale (A)                  |   |                   |                  |          |          |          |           |                      |
| Total discipline optionale (A)            |   |                   | 0                | 0        | 0        | 0        | 0         |                      |
| Total discipline obligatorii si optionale |   |                   | <b>8</b>         | <b>0</b> | <b>3</b> | <b>5</b> | <b>30</b> |                      |
| <b>TOTAL ORE PE SAPTAMANA</b>             |   |                   | <b>28</b>        |          |          |          |           |                      |
| Discipline liber alese (L)                |   |                   |                  |          |          |          |           |                      |
|   |   |                   | 0                | 0        | 0        | 0        | 0         |                      |

|  |                                  |  |    |   |   |   |   |  |
|--|----------------------------------|--|----|---|---|---|---|--|
|  |                                  |  |    |   |   |   |   |  |
|  | Total discipline liber alese (L) |  | 0  | 0 | 0 | 0 | 0 |  |
|  | <b>Ore studiu individual</b>     |  | 12 |   |   |   |   |  |
|  | <b>Total</b>                     |  | 40 |   |   |   |   |  |

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Anul universitar 2017 - 2018

### PLAN DE INVATAMANT

Anul I

Semestrul II

| Nr.<br>crt.                                      | Disciplina<br>Denumire  | Cod               | Ore pe saptamana |          |          |          | PC        | Forma de<br>evaluare |
|--|---|-------------------|------------------|----------|----------|----------|-----------|----------------------|
|  |   |                   | C                | S        | L        | P        |           |                      |
| <b>Discipline obligatorii (O)</b>                |   |                   |                  |          |          |          |           |                      |
| 1  | Sécurité des communications et réseaux d'ordinateurs/Securitatea comunicatiilor si retele de calculatoare           | UPB.12.M2.O.02-01 | 2                |          | 1        | 1        | 5         | E                    |
| 2  | Interfete om masina:concepte, tehnici si aplicatii / Interfaces Homme machine: Concepts, techniques et applications | UPB.12.M2.O.02-02 | 2                |          | 1        | 1        | 5         | E                    |
| 3  | Gestiunea resurselor umane intr-un mediu virtual/ Gestion des ressources humaines dans un environnement virtuel     | UPB.12.M3.O.02-03 | 2                |          |          | 2        | 5         | E                    |
| 4  | Tehnologii Web si dezvoltarea aplicatiilor Web/ Technologies Web et développement des applications Web              | UPB.12.M1.O.02-04 | 2                |          | 1        | 1        | 5         | E                    |
| 5  | Cercetare stiintifica 2 / Recherche 2   | UPB.12.M2.O.02-05 | 12               |          |          |          | 10        | P                    |
| <b>Total discipline obligatorii (O)</b>          |   |                   | <b>8</b>         | <b>0</b> | <b>3</b> | <b>5</b> | <b>30</b> |                      |
| <b>Discipline optionale (A)</b>                  |   |                   |                  |          |          |          |           |                      |
| <b>Total discipline optionale (A)</b>            |   |                   | <b>0</b>         | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  |                      |
| <b>Total discipline obligatorii si optionale</b> |   |                   | <b>8</b>         | <b>0</b> | <b>3</b> | <b>5</b> | <b>30</b> |                      |

|                                  |  |  |           |          |           |          |
|----------------------------------|--|--|-----------|----------|-----------|----------|
| <b>TOTAL ORE PE SAPTAMANA</b>    |  |  |           |          | <b>28</b> |          |
| Discipline liber alese (L)       |  |  |           |          |           |          |
|                                  |  |  |           |          |           |          |
|                                  |  |  |           |          |           |          |
| Total discipline liber alese (L) |  |  | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>0</b> |
| <b>Ore studiu individual</b>     |  |  | 12        |          |           |          |
| <b>Total</b>                     |  |  | <b>40</b> |          |           |          |





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**PLAN DE INVATAMANT**

Anul II

Semestrul II

| Nr.<br>crt.                                      | Disciplina<br>Denumire  | Cod               | Ore pe saptamana |          |          |          | PC        | Forma de<br>evaluare |
|--|---|-------------------|------------------|----------|----------|----------|-----------|----------------------|
|  |   |                   | C                | S        | L        | P        |           |                      |
| Discipline obligatorii (O)                       |   |                   |                  |          |          |          |           |                      |
| 4  | Cercetare stiintifica 4 / Recherche 4:<br>Elaborare lucrare de dizertatie | UPB.12.M4.O.04-01 | 28               |          |          |          | 30        | P                    |
| Total discipline obligatorii (O)                 |   |                   | <b>28</b>        | <b>0</b> | <b>0</b> | <b>0</b> | <b>30</b> |                      |
| Discipline optionale (A)                         |   |                   |                  |          |          |          |           |                      |
| Total discipline optionale (A)                   |   |                   | 0                | 0        | 0        | 0        | 0         |                      |
| <b>Total discipline obligatorii si optionale</b> |   |                   | <b>0</b>         | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  |                      |
| <b>TOTAL ORE PE SAPTAMANA</b>                    |   |                   | <b>28</b>        |          |          |          |           |                      |
| Discipline liber alese (L)                       |   |                   |                  |          |          |          |           |                      |
| Total discipline liber alese (L)                 |   |                   | 0                | 0        | 0        | 0        | 0         |                      |
| <b>Ore studiu individual</b>                     |   |                   | 12               |          |          |          |           |                      |
| <b>Total</b>                                     |   |                   | <b>40</b>        |          |          |          |           |                      |

Decan,  
 Prof. univ. dr. ing. Adrian VOLCEANOV

Director de departament,  
 Prof. univ. dr. ing. George DRAGOI

PRESEDINTE Senat  
Prof.univ. dr. ing. Ecaterina ANDRONESCU