

**"Aurel Vlaicu" University of Arad**  
**Faculty of Food Engineering, Tourism and Environmental Protection**  
 Department: Technical and Natural Sciences  
 Field: Environmental Engineering  
 Specialization: Environmental Assessment and Quality Control

**STUDY PLAN**  
**Academic term 2023-2024**  
**I<sup>ST</sup> YEAR**

| Course code | Compulsory courses                                                     | Course type | S.S./ Sem. (hours) | No. of hours per week and type of assessment |   |   |    |     |    |                                       |   |   |     |    |     |
|-------------|------------------------------------------------------------------------|-------------|--------------------|----------------------------------------------|---|---|----|-----|----|---------------------------------------|---|---|-----|----|-----|
|             |                                                                        |             |                    | I <sup>ST</sup> semester<br>14 weeks         |   |   |    |     |    | II <sup>ND</sup> semester<br>14 weeks |   |   |     |    |     |
|             |                                                                        |             |                    | C                                            | S | L | Pr | Ev  | K  | C                                     | S | L | Pr  | Ev | K   |
| DmGA1O01    | Quality management                                                     | DD          | 108                | 1                                            | 2 | - | -  | E   | 6  | -                                     | - | - | -   | -  | -   |
| DmGA1O02    | Environmental impact assessment through the European indicators system | DD          | 108                | 2                                            | - | - | 1  | E   | 6  | -                                     | - | - | -   | -  | -   |
| DmGA1O03    | Environmental risk assessment                                          | DD          | 108                | 2                                            | 1 | - | -  | E   | 6  | -                                     | - | - | -   | -  | -   |
| DmGA1O04    | Performing techniques for pollutants monitoring                        | DD          | 108                | 2                                            | - | 1 | -  | OE  | 6  | -                                     | - | - | -   | -  | -   |
| DmGA1O05    | Academic and professional ethics                                       | DD          | 47                 | 1                                            | 1 | - | -  | OE  | 3  | -                                     | - | - | -   | -  | -   |
| DmGA2O06    | Management of dangerous chemicals                                      | DD          | 94                 | -                                            | - | - | -  | -   | -  | 2                                     | - | 2 | -   | E  | 6   |
| DmGA2O07    | Sustainable development                                                | DD          | 108                | -                                            | - | - | -  | -   | -  | 2                                     | 1 | - | -   | E  | 6   |
| DmGA2O08    | Ecolabelling                                                           | DD          | 108                | -                                            | - | - | -  | -   | -  | 2                                     | 1 | - | -   | OE | 6   |
| DmGA2O09    | Alternative fuels                                                      | DD          | 108                | -                                            | - | - | -  | -   | -  | 2                                     | - | 1 | -   | E  | 6   |
| DmGA2O10    | Experimental techniques I                                              | DD          | 61                 | -                                            | - | - | -  | -   | -  | -                                     | - | - | 1   | OE | 3   |
| DmGA2O11    | Practice I                                                             | DD          | 168                | -                                            | - | - | -  | OE  | 3  | -                                     | - | - | -   | -  |     |
| DmGA2O12    | Practice II                                                            | DD          | 168                | -                                            | - | - | -  | -   | -  | -                                     | - | - | -   | OE | 3   |
|             | <b>TOTAL</b>                                                           | 12          | 1294               | 8                                            | 4 | 1 | 1  |     | 30 | 8                                     | 2 | 3 | 1   |    | 30  |
|             | <b>TOTAL COMPULSORY S1/S2</b>                                          | 6/6         | 647/647            | 8                                            | 4 | 1 | 1  | K30 |    | 8                                     | 2 | 3 | 1   |    | K30 |
|             | <b>TOTAL COMPULSORY</b>                                                | 12          | 1294               | 14                                           |   |   |    |     |    | 14                                    |   |   |     |    |     |
|             | <b>TOTAL COMPULSORY COURSES</b>                                        | 12          | 1294               | 16C+6S+4L+2Pr                                |   |   |    |     |    | 6E+4OE                                |   |   | K60 |    |     |
|             | <b>I<sup>ST</sup> Year</b>                                             |             |                    |                                              |   |   |    |     |    |                                       |   |   |     |    |     |

**RECTOR,**  
Dr. Ramona LILE

**DEAN,**  
Conf. Univ. Dr. Ing. Virgiliu CIUTINA

**DEPARTMENT DIRECTOR,**  
Conf. Univ. Dr. Ing. Claudiu URSACHI

Legend: C-course; S-seminar; L- practical work (laboratory); Pr-project; SS- self-study; Ev-evaluation form; K-credits; DD-deepening discipline; E-exam; OV-ongoing examination.

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**STUDY PLAN**  
**Academic term 2024-2025**  
**II<sup>ND</sup> YEAR**

| Course code | Compulsory courses                                  | Course type | S.S./ Sem. (hours) | No. of hours per week and type of assessment |   |   |   |    |     |                                       |   |   |    |    |     |
|-------------|-----------------------------------------------------|-------------|--------------------|----------------------------------------------|---|---|---|----|-----|---------------------------------------|---|---|----|----|-----|
|             |                                                     |             |                    | I <sup>ST</sup> semester<br>14 weeks         |   |   |   |    |     | II <sup>ND</sup> semester<br>14 weeks |   |   |    |    |     |
|             |                                                     |             |                    | C                                            | S | C | S | C  | S   | C                                     | S | C | S  | C  | S   |
| DmGA3O01    | Environmental management systems                    | DD          | 108                | 2                                            | 1 | - | - | E  | 6   |                                       |   |   |    |    |     |
| DmGA3O02    | Internal audit of the management systems            | DD          | 108                | 1                                            | - | - | 2 | E  | 6   |                                       |   |   |    |    |     |
| DmGA3O03    | Remediation and ecological restoration techniques   | DD          | 108                | 2                                            | - | 1 | - | E  | 6   |                                       |   |   |    |    |     |
| DmGA3O04    | Systems for the exploitation of renewable resources | DD          | 94                 | 2                                            | - | 2 | - | E  | 6   |                                       |   |   |    |    |     |
| DmGA3O05    | Experimental techniques II                          | DD          | 61                 | -                                            | - | - | 1 | OE | 3   |                                       |   |   |    |    |     |
| DmGA4O06    | Practice I                                          | DD          | 168                | -                                            | - | - | - | OE | 3   |                                       |   |   |    |    |     |
| DmGA4O07    | Research activity and dissertation preparation      | DD          | 196                | -                                            | - | - | - | -  | -   |                                       |   |   | 14 | OE | 27  |
|             | <b>TOTAL</b>                                        | 8           | 1011               | 7                                            | 1 | 3 | 3 |    | 30  |                                       |   |   | 14 |    | 30  |
|             | <b>TOTAL COMPULSORY S1/S2</b>                       | 5/1         | 647/364            | 7                                            | 1 | 3 | 3 |    | K30 |                                       |   |   | 14 |    | K30 |
|             | <b>TOTAL COMPULSORY</b>                             | 8           | 1011               | 14                                           |   |   |   |    |     | 14                                    |   |   |    |    |     |
|             | <b>TOTAL COMPULSORY COURSES</b>                     | 8           | 1011               | 7C+1S+3L+3Pr                                 |   |   |   |    |     | 4E+2OE+2Pr                            |   |   |    |    | K60 |
|             | <b>II<sup>ND</sup> YEAR</b>                         |             |                    |                                              |   |   |   |    |     |                                       |   |   |    |    |     |

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