

## DMPT: SEMESTER 1/4

| UNIT CODE               | Module Code | Module                                        | Hours                                                                                                                       |          |                | ECTS Credits      |            |        | Assessment regime |                       |                  |
|-------------------------|-------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------|----------------|-------------------|------------|--------|-------------------|-----------------------|------------------|
|                         |             |                                               | Lecture                                                                                                                     | Workshop | Practical work | Integrated course | Self-Study | Module | Unit              | Continuous assessment | Mixed assessment |
| UEF110                  | UEF111      | Physiology of lactation                       | 21                                                                                                                          | 3.5      | 10.5           |                   | 40         | 3      | 6                 |                       | X                |
|                         | UEF112      | Dairy breeds health and management            | 21                                                                                                                          | 3.5      | 10.5           |                   | 45         | 3      |                   |                       | X                |
| UEF120                  | UEF121      | Milk microbiology                             | 21                                                                                                                          | 3.5      | 10.5           |                   | 45         | 3      | 6                 |                       | X                |
|                         | UEF122      | Microbiology of meat products                 | 21                                                                                                                          | 3.5      | 10.5           |                   | 45         | 3      |                   |                       | X                |
| UEF130                  | UEF131      | Industrial health, safety and environment HSE | 21                                                                                                                          | 3.5      | 10.5           |                   | 40         | 3      | 6                 |                       | X                |
|                         | UEF132      | FSM : Stand. legis. and food traceability II  | 21                                                                                                                          | 7        | 7              |                   | 40         | 3      |                   |                       | X                |
| UEO110                  | UEO111      | Elective Module 1                             | 21                                                                                                                          | 7        |                |                   | 50         | 3      | 6                 | X                     |                  |
|                         | UEO112      | Elective Module 2                             | 21                                                                                                                          | 3.5      | 10.5           |                   | 40         | 3      |                   | X                     |                  |
| UET110                  | UET111      | Scientific English                            |                                                                                                                             |          |                | 21                | 30         | 2      | 6                 | X                     |                  |
|                         | UET112      | Economics and Management of a Food Company    |                                                                                                                             |          |                | 21                | 30         | 2      |                   | X                     |                  |
|                         | UET113      | Bioinformatics II                             |                                                                                                                             |          |                | 28                | 25         | 2      |                   | x                     |                  |
| Subtotal                |             |                                               | 168                                                                                                                         | 35       | 70             | 70                | 430        | 30     | 430               |                       |                  |
| Total semester workload |             |                                               | 773                                                                                                                         |          |                |                   |            |        |                   |                       |                  |
|                         |             |                                               |                                                                                                                             |          |                |                   |            |        |                   |                       |                  |
| ELECTIVE MODULES        |             |                                               | Livestock production/Farm management/Embryonic development/Diagnosis of the agricultural operation and the livestock system |          |                |                   |            |        |                   |                       |                  |

## DMPT: SEMESTER 2/4

| UNIT CODE               | Module Code | Module                                                            | Hours                                                                                                                                                                |          |                |                   |            | ECTS Credits | Assessment regime |                       |                  |
|-------------------------|-------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|-------------------|------------|--------------|-------------------|-----------------------|------------------|
|                         |             |                                                                   | Lecture                                                                                                                                                              | Workshop | Practical work | Integrated course | Self-Study | Module       | Unit              | Continuous assessment | Mixed assessment |
| UEF210                  | UEF211      | Biotechnology and genetic improvement of livestock                | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 40         | 3            | 6                 |                       | X                |
|                         | UEF212      | Livestock Reproductive Technologies                               | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 40         | 3            |                   |                       | X                |
| UEF220                  | UEF221      | Physico-chemical analysis of milk and meat products               | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 40         | 3            | 6                 |                       | X                |
|                         | UEF222      | Food biochemistry                                                 | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 45         | 3            |                   |                       | X                |
| UEF230                  | UEF231      | Food (Dairy and meat products) formulation and innovation process | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 45         | 3            | 6                 |                       | X                |
|                         | UEF232      | Dairy and Meat Product Technology                                 | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 45         | 3            |                   |                       | X                |
| UEO210                  | UEO211      | Elective Module 1                                                 | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 40         | 3            | 6                 | X                     |                  |
|                         | UEO212      | Elective Module 2                                                 | 21                                                                                                                                                                   | 3.5      | 10.5           |                   | 40         | 3            |                   | X                     |                  |
| UET210                  | UET211      | Business English                                                  |                                                                                                                                                                      |          |                | 21                | 30         | 2            | 6                 | X                     |                  |
|                         | UET212      | Professional project                                              |                                                                                                                                                                      |          |                |                   | 28         | 22           | 2                 |                       | X                |
|                         | UET213      | Bioethics and biosecurity II                                      |                                                                                                                                                                      |          |                |                   | 21         | 30           | 2                 |                       | X                |
| Subtotal                |             |                                                                   | 168                                                                                                                                                                  | 28       | 84             | 70                | 417        | 30           | 30                |                       |                  |
| Total semester workload |             |                                                                   | 767                                                                                                                                                                  |          |                |                   |            |              |                   |                       |                  |
| ELECTIVE MODULES        |             |                                                                   | Bioreactors/Rheology of Food Systems/Heterologous expression of proteins of interest/Hormones and their biotechnological applications/Basic and applied parasitology |          |                |                   |            |              |                   |                       |                  |

## DMPT: SEMESTER 3/4

| UNIT<br>CODE            | Module<br>Code | Module                                                                                   | Hours                                                                                                                                                                    |              |                   |                       |                | ECTS<br>Credits |      | Assessment regime        |                     |
|-------------------------|----------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|-----------------------|----------------|-----------------|------|--------------------------|---------------------|
|                         |                |                                                                                          | Lectur<br>e                                                                                                                                                              | Worksho<br>p | Practical<br>work | Integrate<br>d course | Self-<br>Study | Module          | Unit | Continuous<br>assessment | Mixed<br>assessment |
| UEF310                  | UEF311         | Cheese- and butter-making technologies                                                   | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 45             | 3               | 6    |                          | X                   |
|                         | UEF312         | Artisanal and industrial technologies for fermented dairy product                        | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 40             | 3               |      |                          | X                   |
| UEF320                  | UEF321         | Properties of meat products                                                              | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 40             | 3               | 6    |                          | X                   |
|                         | UEF322         | Processing of meat products                                                              | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 45             | 3               |      |                          | X                   |
| UEF330                  | UEF331         | Nutritional value of milk and meat products                                              | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 40             | 3               | 6    |                          | X                   |
|                         | UEF332         | Safety and toxicology of dairy and meat products                                         | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 40             | 3               |      |                          | X                   |
| UEO310                  | UEO311         | Elective Module 1                                                                        | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 17             | 2               | 6    | X                        |                     |
|                         | UEO312         | Elective Module 2                                                                        | 21                                                                                                                                                                       | 3.5          | 10.5              |                       | 17             | 2               |      | X                        |                     |
| UET310                  | UET311         | Food marketing                                                                           |                                                                                                                                                                          |              |                   | 21                    | 7              | 1               | 6    | X                        |                     |
|                         | UET312         | Innovation and entrepreneurship II                                                       |                                                                                                                                                                          |              |                   | 21                    | 30             | 2               |      | X                        |                     |
|                         | UET313         | Biostatistics II                                                                         |                                                                                                                                                                          |              |                   | 28                    | 2              | 1               |      | X                        |                     |
|                         |                | Internship in a professional setting (Internship completed at the end of the first year) |                                                                                                                                                                          |              |                   |                       | 120            | 4               | 4    |                          |                     |
| Subtotal                |                |                                                                                          | 168                                                                                                                                                                      | 28           | 84                | 70                    | 443            | 30              | 30   |                          |                     |
| Total semester workload |                |                                                                                          | 793                                                                                                                                                                      |              |                   |                       |                |                 |      |                          |                     |
|                         |                |                                                                                          |                                                                                                                                                                          |              |                   |                       |                |                 |      |                          |                     |
| ELECTIVE MODULES        |                |                                                                                          | Packaging and conditioning of dairy and meat products/Valorisation of by-products from milk and meat processing/Functional and fortified foods/Health and diet nutrition |              |                   |                       |                |                 |      |                          |                     |

DMPT: SEMESTER 4/4

| UNIT<br>CODE | Module Code | Module                         | Hours      |          |                |                   | ECTS Credits |             |
|--------------|-------------|--------------------------------|------------|----------|----------------|-------------------|--------------|-------------|
|              |             |                                | Lecture    | Workshop | Practical work | Integrated course | Self-Study   | Module Unit |
|              |             | internship graduation project  | 0          | 0        | 0              | 0                 | 900          | 30 30       |
|              |             | <b>Total semester workload</b> | <b>900</b> |          |                |                   |              |             |
|              |             |                                |            |          |                |                   |              |             |