



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA  
DIPARTIMENTO DI SCIENZE MEDICHE VETERINARIE

## **Professional Practical Training in General Animal Production and Nutrition**

**Responsible: Prof. Andrea Formigoni**

**Reference person: Dott. Ludovica Mammi**

### Annual organization

- The training is organized for 8 months (it is suspended on February, August, October and November). Each training period last 1 month and it is composed by practical activities at the University teaching dairy farm, didactic visits to external facilities and lessons.
- A minimum of 4 students is required for the activation of the training period. In case of a lower number, students will be redirected will be requested to attend another training period.
- Each training shift includes a maximum number of 10 students (80 interns/year). Possible international students could be included in the shift in accordance with the Internship and Internationalization Office.

Each training period starts the first week day of the month with an organization meeting, on the platform Teams and following, at the University farm. Students will be informed by e-mail, by the end of the previous month. The meeting attendance is mandatory. In this occasion, students will be informed by the calendar of the activities and on the organization of the training period.

### Practical activities at the dairy farm

- Routine activities: milking, calves and cows feeding. The hours of the activities are: from 6.30 a.m to 9.00 a.m; from 1.00 to 2.00 p.m.; from 4.30 to 8.00 p.m, for a total of 24 h/student. These activities will be scheduled from Monday to Sunday.
- Practical learning activities:
  - Clinical visits
  - Milk, blood, feces and urine sampling
  - Penn State Partical Separator (PSPS) and RotAp methodics
  - Body Condition Score (BCS) and farm data management

The scheduled activities for each month will be communicated to the student during the first meeting of the training period.

### External visits and lessons

Visits to external facilities and frontal lessons will be scheduled each month. The specific program is communicated during the first meeting with the students on the first week-day of the month.

| <b>Monthly activities</b>  | <b>Hours</b> | <b>Type</b>           |
|--|--------------|-----------------------|
| Training presentation and safety rules on dairy farm.  | 2            | Frontal lesson        |
| Didactic visit to swine farm   | 5            | Didactic visit        |
| Amino acid nutrition of dairy cow; nutrient ruminal digestibility; bioavailability and kinetics of microencapsulated lysin and methionine in dairy cow and swine.  | 4            | Didactic visit        |
| Gut health. Inflammatory processes and prevention.   | 3            |                       |
| Dog breeding and ethnology 1   | 3            | Frontal lesson        |
| Petfood: selection and evaluation  | 2            | Frontal lesson        |
| Dog breeding and ethnology 2   | 3            | Frontal lesson        |
| Feline breeding and ethnology  | 3            |                       |
| Aquarium and aquarium fish welfare   | 4            | Frontal lesson        |
| Qualitative evaluation of poultry and rabbit productions   | 4            | Frontal lesson        |
| Beef cattle rationing  | 2            | Frontal lesson        |
| Diet optimization<br>Clinical veterinary assistance<br>Podology<br>Milk, blood, feces and urine sampling<br>Penn State Partical Separator (PSPS) and RotAp methodics<br>Body Condition Score (BCS)<br>Farm data management | 10-12        | Dairy farm activities |

Occasionally, additional visits could be planned. At these activities, students of previous months can participate.

### Attendance

- Attendance to each activity will be certified by signature (or file of attendance for virtual lessons) by the responsible of the activity
- At the end of training, the student must send by email the personal register to the referent of the training, after the fulfillment of the satisfaction questionnaire available on Teams platform and on Student on line.
- All activities are mandatory, excepted for severe health or personal problems. Missed hours must be recovered during the following months.
- For particular personal reasons, in accordance with the responsible of the training, it is possible to perform “routine” farm activities during the months of February, August, October and November.
- In any case, students must attend at least the 75% out of the hours of the training.
- In case of absence is mandatory to give notice in advance to the teacher of the activity by e-mail.

### Enrollment

- The student must register to the training period on the application Studenti On-line, following the above reported the procedures.

### Mandatory requirements

- The enrollment to the training is allowed to students that have completed the exams expected by their own study plan.  
(<http://corsi.unibo.it/MagistraleCU/MedicinaVeterinaria/Pagine/tirocini-curricolari-interni.aspx>)