Study Plan

1st YEAR:

- Animal housing and environmental impact – 10 CFU.
  - Housing, planning and design – 5 CFU (TAF: B).
  - Waste management and impact – 5 CFU (TAF: B).

- Digital mapping and precision irrigation
  - Precision Irrigation Systems and Sensing Technologies – 5 CFU (TAF: C).

- Production process control – 5 CFU (TAF: B).

- Biomass utilization for energy production and greenhouse gas
  - Biomass thermal conversion processes – 6 CFU (TAF: C).
  - Bioconversion processes – 6 CFU (TAF: C).

- Robotics and autonomous sensors – 10 CFU
  - Robotics – 5 CFU (TAF: C).
  - Autonomous sensors – 5 CFU (TAF: C).

- Innovation management in livestock farm – 5 CFU (TAF: B).

2nd YEAR:

- Automated farm management – 16 CFU.
  - Large animal – 10 CFU (TAF: B).
  - Poultry and fish – 7 CFU (TAF: B).

- Livestock Health Monitoring – 10 CFU
  - Infective diseases – 5 CFU (TAF: B).
  - Non Infective diseases – 5 CFU (TAF: B).

- Precision feed production and management – 12 CFU.
  - Feed management – 7 CFU (TAF: B).
  - Precision Crop Protection – 5 CFU (TAF: C).

- Electives**
  - 1st Elective – 5 CFU (TAF: D).
  - 2nd Elective – 5 CFU (TAF: D).

- Training – 3 CFU (TAF: G).

- Stage – 9 CFU (TAF: G).


The Elective can be chosen between:

- Traceability in food supply chain – 5 CFU.
- Precision strategies in Parasitology – 5 CFU.
- Reproductive disorders in livestock – 5 CFU.
- PLF technology to support clinical diagnosis in farms – 5 CFU.
- Precision strategies for prevention and management of antimicrobial resistance – 5 CFU.

The study plan is described at the following links:

https://www.mvpa-unina.org/corsi/Livestock/1deg-year-plf--aa-20212022_615.xhtml
https://www.mvpa-unina.org/corsi/Livestock/2deg-year-plf--aa-20212022_616.xhtml

(*) Key to the types of training activities (TAF) (DM 270/04)

<table>
<thead>
<tr>
<th>TAF</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>rif. DM270/04</td>
<td>Art. 10 comma 1, a)</td>
<td>Art. 10 comma 1, b)</td>
<td>Art. 10 comma 5, b)</td>
<td>Art. 10 comma 5, a)</td>
<td>Art. 10 comma 5, c)</td>
<td>Art. 10 comma 5, d)</td>
<td>Art. 10 comma 5, e)</td>
</tr>
</tbody>
</table>