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| **N.** | **COURSES** | **HOURS (For Research topics 1, 3, 5, 6, 7, 8, 9, 10)\*** | **HOURS (For Research topics 2 and 4)\*** |
| **1** | **Bibliographic services to support research (course in splitting modules):** |  |  |
|  | -Bibliographic services to support research | 4 | 4 |
|  | -Research evaluation | 3 | 3 |
|  | -Copyright guide for thesis preparation | 3 | 3 |
| **2** | **Philosophy of science and research methodology** | 10 | 10 |
| **3A** | **Writing and presenting a paper in biological and physicochemical sciences (course in splitting modules):** |  |  |
|  | -Writing and presenting a paper in biological and physicochemical sciences | 4 | Not compulsory |
|  | -Setting up a research protocol | 4 | Not compulsory |
|  | -How to present a paper in a scientific conference in in biological and physicochemical sciences | 4 |  |
| **3B** | **Writing a scientific paper in social and economic sciences (course in splitting modules):** |  |  |
|  | -Writing a scientific paper in social and economic sciences | Not compulsory | 8 |
|  | -How to present a paper in a scientific conference in social and economic sciences | Not compulsory | 5 |
| **4** | **Statistics (course in splitting modules):** |  |  |
|  | -Introduction to statistical methods with R | 10 | 10 |
|  | -Basic statistics and experimental design in agri-food sciences | 15 | 15 |
|  | -Advanced regression methods | 10 | 10 |
|  | -Time Series Analysis with R | 10 | 10 |
|  | -Introduction to spatial analysis and geostatistics with R | 10 | 10 |
| **5** | **Research financing and project design in agricultural sciences** | 20 | 20 |
| **6** | **Intellectual property rights, enterprise creation, and business plan** | 20 | 20 |
| **7** | **Academic Writing (TEST+courses)** | 24 | 24 |

\*Research Topics: 1. Agronomy, Herbaceous Crops, Flowers and Vegetables Systems, Agricultural Genetics and Agricultural Chemistry; 2. International Cooperation and Sustainable Development Policies; 3. Microbial Ecology and Plant Pathology; 4. Agricultural and Food Economics and Policy; 5. Agricultural Entomology; 6. Agricultural Engineering; 7. Food science and biotechnology; 8. Animal Science; 9. Tree Production Systems, Fruit, Forest and Ornamental Trees and Grape; 10. Water-Food-Energy-Sustainable Agriculture Nexus.