

## **Professional Master in Hemotherapy and Biotechnology**

### **Hemotherapy Course**

The **Course Completion Assignment** has an applied nature and can be delivered in different formats:

- Original articles or technological publications;
- Patents and intellectual property and software registers;
- Development of products, processes and techniques;
- Business plan;
- Technological innovation projects;
- Prototypes for the development or production of diagnostic kits;
- Experimental or application protocol in biotechnology;
- Conclusive reports on the research applied;
- Monographs.

To offer further guidance, we suggest below a plan for the research project that must be delivered as part of the selection process for acceptance in the Professional Master.

### **Research Project**

The research Project will define the path to be traced during the investigation, clearly showing the scientific or technical challenges to be overcome by the research proposed, the means and methods for achieving it and the relevance of the results expected. It must comprise the following components:

**Subject** – Broad indication of the area of interest to be investigated.

**Introduction** – Description of the present status before the beginning of the investigation, arousing the curiosity and showing the relevance of the issue. It must include the presentation of the conceptual and theoretical framework of the research, presenting the existing studies on the subject or, more specifically, on the issue, in order to contextualize the research to be conducted and inform the reader about the state of art in that field. The end of the introduction must cover the **issue formulation** (What?) that consists in the definition of the leading question from the subject exploration and delimitation. This question shall be answered with the development of the research.

**Hypothesis** – Definition of the provisional answer for the solution of that problem according to the researcher's view. Hypotheses may be denied or confirmed after the research.

**General and specific objectives** (For what?) – The general objective is the indication of a possible result to be achieved corresponding to the response to the issue proposed. The specific objects are linked to the general objective, built to respond to the question under investigation. The objectives must be written using verbs in the infinitive.

**Justification** (Why?) – Description of the relevance and reasons why that research must be conducted, explaining what justifies it and which contributions can be brought by the research to help in the understanding and solution of this issue.

**Methodology** (How? Using? Where?) – Description of the methods and techniques that will be used in the research, as well as, sampling, instruments and procedures for the analysis of the data obtained.

**Schedule** (When?) – Definition of the time needed for the development of every step proposed, preferentially through a graph by crossing the time (month 1, month 2, etc.) and the research tasks (literature review, preparation of instruments, application of instruments, data collection, data analysis, etc.)

**References** (ABNT NBR 5023) – Works that have been directly or indirectly cited in the text.

**Bibliography** (ABNT NBR 5023) - Works that have been consulted for the development of the project.

**Format** – The Project must be typed in A4 paper size, Times New Roman font, size 12 for text, chapter titles and sections and size 10 for quotations, footnotes, legends, pagination, tables and charts. Use 1.5 line spacing and single spacing for long quotations, footnotes, legends, tables and chart. Top left margin of 3 cm and bottom right margin of 2 cm.