

## **Plan for CCISP Exchange Students in 2<sup>nd</sup> semester, 2020/2021**

**School:** School of Health Sciences and Sports

**Programme:** Bachelor of Sciences in Biomedical Technology  
(Medical Laboratory Technology)

### **Course Description**

During 15 weeks' study, Clinical Placement (including Haematology and Clinical Laboratory) and Project, will be offered.

**Clinical Laboratory:** Through this practicum, students will apply the basic techniques to clinical laboratory. It includes clinical microbiology, clinical biochemistry, clinical immunology and clinical microscopy.

**Haematology:** Through this practicum, students will apply the basic techniques to clinical hematological laboratory. It includes hemostasis, microscopic examination of blood/bone marrow films, practical experience with instruments and techniques which determine major hematologic and clotting parameters, and quality control.

**Project (Optional):** Through this study, students will choose a project topic, gather information through literature search, design a protocol, report writing and data presentation.

### **Learning Outcomes**

After finishing the course, students will be able to:

1. Demonstrate practical skills in key areas of measurement, data analysis and production;
2. Using diagnostic techniques and equipment;
3. Carry out, assess and record accurately and detailed laboratory tests;
4. Demonstrate skills in the use of information technologies and communication appropriate to the exercise of clinical analyst;
5. Operate with skill and specialized equipment specific to the practice;
6. Implement legislation and international standards concerning quality, hygiene and safety and know what procedures to follow in case of accident;
7. Know and apply the methods and importance of laboratory safety, good laboratory practices and personal protective equipment relevant to the health and safety in clinical laboratories;
8. Capacity for scientific research and evidence-based practice;

9. Recognizing the need for knowledge of emerging technologies and new scientific knowledge related to science laboratory;
10. Ability to understand and apply the principles of quality; interprets quality assurance parameters
11. Leadership skills, autonomy, initiative and creativity.

### **Schedule for internship**

<b>2<sup>nd</sup> semester</b>	
Clinical Laboratory	7-8 weeks
Haematology	7-8 weeks
Project (Each Friday)	15 weeks

### **Notes for students**

1. Please refer to “General Information for CCISP Exchange Students at MPI.
2. The students should bring their own laboratory gowns.
3. During internship, one school teacher and one clinical tutor will be arranged for each placement unit. They will identify the students’ clinical learning needs, guide and supervise the students’ practice, and assess the students’ performance. Students must attain a minimum of 90% attendance and perform clinical assignments before he/she is eligible to be assessed for every subject.