COURSE DESCRIPTION
In their dissertation research, students will use the basic, integrative literature in medical science they covered over the first two-year IPBS courses. Students will continue working on their dissertation research, applying problem-solving skills to their experiments, and keeping a wide view of the human body function and regulation.

Students will continuously receive mentorship from IPBS junior faculty by holding a regular meeting with them to discuss, for example, how to overcome problems as might occur in the daily experiments and research plan.

The course also aims for the students to be able to effectively communicate orally and in writing, particularly, in articulating their research significance and objectives to wide audience. Hence, each student will write a report on his or her presentation made at a scientific meeting (official or unofficial) either in an oral or poster form, to the audience outside his or her research field.

PREREQUISITE: Completion of the whole IPBS curriculum including passing the IPBS qualifying exam

LEARNING OUTCOMES
Upon completion of the course, students should be able to:
1. understand the basic elements of the human body as hierarchical integration.
2. effectively construct experimental plans based on the acquired understanding of integrated biosystems, and think critically about what could be done should the plan fail.
3. communicate their research contents and significance effectively in oral and written form.

EVALUATION
Each student must present his/her research project in oral or poster form at a scientific meeting. The scientific meeting, official or otherwise, can vary in size or in number of attendees, as long as the audience includes scientists from another discipline.