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| Course Title | Research project |
| Course Code | Vet-504 |
| Course Type | Required |
| Year | 5 |
| Course duration | 22 weeks |
| ECTS | 10 |
| Course Purpose and Objectives | <p>This course consists of a clinical or clinically related research project or other scientific research project with basic science orientation. Students can choose to join an ongoing project, conduct original clinically related research, identify, and prepare a clinical case report, or conduct a literature review suitable for submission for publication.</p> <p>A list of project will be prepared and discussed with the students from Year 4. Students can also come forward with their own proposal. Students will be required to maintain a research logbook and attend weekly meetings with their research advisor. In addition to the written submission of the project, students will have the option of selecting either an oral or poster presentation. Students will be required to attend the poster and oral presentation of other students enrolled in the course and will be encouraged to submit their results for publication.</p> <p>The main objectives are:</p> <ul style="list-style-type: none"> • to utilize the knowledge gained in the evidence-based medicine course to a practical practice • to emphasize the link between clinical research and the practice of evidence-based medicine • to provide clinical veterinary students with the opportunity to apply research skills in a student-selected clinical or clinically related research setting • to teach the student to develop research skills, review the literature around a specific area, undertake independent research, critically evaluate research findings, and implement research results in practice • to teach the students to present research findings. |

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| Learning Outcomes | <p>At the end of the project, submission of the project, report and oral presentation, students should be able to demonstrate competency in:</p> <ol style="list-style-type: none"> 1. to Identify characteristics of a good research question (feasible, interesting, relevant, and ethical) 2. to choose an appropriate study design 3. define the scope of a research project through appropriate review and analysis of published literature 4. develop and define an appropriate research hypothesis 5. identify, evaluate, and apply appropriate research methodology 6. apply appropriate techniques for the analysis of research results 7. Understand the need for statistical input during the design phase 8. Understand how to estimate the number of subjects that will be required (power calculation). 9. interpret and discuss research findings in the appropriate professional and scientific context 10. collate and present research findings in written, visual and/or oral format 11. Know how to present the results of a research in a format suitable for publication |
| Teaching Methodology | <p>Supervision by Tutor</p> |
| Assessment | <p>Oral or poster presentation, and submission of a written report on the results of the project</p> |
| Language | <p>English</p> |