



Supervisor's review of diploma thesis

Student:	Anna Krzyšków
Field of study:	Fishery and Protection of Waters (DP)
Form of study:	Prezenční
Title of the final thesis:	Variability of lipid classes and fatty acid composition during over ripening of oocytes from tench (<i>Tinca tinca</i>)
Supervisor of the final thesis: Name, surname, titles:	Assoc. Prof. Sabine Sampels, PhD

1. Formulation of the thesis's objectives

An introduction to the solution of problems is evaluated, i.e. the justification of the need for the solution of the thesis and the understandability and logicity of the stated objectives with respect to the thesis topic:

Evaluation (mark from 1 – the best to 4 – insufficient): 1 2 3 4

Comment on the evaluation (justification of the proposed mark). Comment is compulsory.

The student collected the necessary information mainly independent and managed to cover all involved subtopics in the introduction. After some advice and help, she also managed to connect the different sub-topics in a logic way. It gets clear from the text what the aim and objectivs were and how it is related to fisheries practices.

2. Method of the thesis's solution

The material and methodology used to solve the objectives of the thesis including the way of statistical analysis of data (suitability, comprehensibility, relevance, complexity) are evaluated. In case of the review-type thesis the content structure, the logicity of thesis segmenting, the concept of the review thesis are evaluated. Adherence to the instructions of the supervisor, keeping the research plan and other information given on the assignment form, the degree of self-involvement in the solution of the thesis, the autonomy, creativity, etc. are also evaluated.

Evaluation (mark from 1 – the best to 4 – insufficient): 1 2 3 4

Comment on the evaluation (justification of the proposed mark). Comment is compulsory.

The student described the used material and methods in depth and correct. She was able to perform the necessary analyses independently after instruction and a period of learning. When we had some problems with the samples and she needed to switch to another fish species she independently found all new information and put extra energy in order to manage the work in time despite the problems. However, there were some difficulties to plan laboratory time and to start writing.

3. Work with information

The extent and relevance of used information accessible in the literature, its topicality, truthfulness, complexity, the way of interpretation of the information and extent of information used, the method of description of results and their comparison with other available information, the ability to draw conclusions are evaluated.

Evaluation (mark from 1 – the best to 4 – insufficient): 1 2 3 4

Comment on the evaluation (justification of the proposed mark). Comment is compulsory.

The topic was kind of difficult as there is not to much literature available. The student had to be rather creative, as this topic is really not investigated so far, so for this I give her credit. She independently found all relevant literature for the introduction. However it was quite difficult for the student to put the results in connection with the available literature and she needed quite some help there to get started.

4. Formal processing of the thesis

Compliance with the uniform style, graphic layout, clarity, level of language processing, adherence to the citation standard, quality of graphs and images, etc. are evaluated.

Evaluation (mark from 1 – the best to 4 – insufficient): 1 2 3 4

Comment on the evaluation (justification of the proposed mark). Comment is compulsory.

The student was really eager to fulfill the requirements and the format standards. Chosen images are fitting and quality is Ok. There are however some minor mistakes and some missing references in the bibliography.

5. Fulfilment of the thesis's objectives

The comparison of the results of the work with the stated objectives in the assignment is commented and the reasons for the deviations described (unexpected circumstances when solving vs. not keeping the supervisor's instructions by the student, the way of approach to the thesis), i.e. could they be influenced or not by the student's approach.

Evaluation (mark from 1 – the best to 4 – insufficient): 1 2 3 4

Comment on the evaluation (justification of the proposed mark). Comment is compulsory.

The aim of the thesis was fulfilled, namely to evaluate changes in fatty acid and lipid class composition during over-ripening of oocytes of tench. Even if no significant effect was found, this is an important result. In addition she could see some differences in egg quality and some of the evaluated lipid parameters which give a base for future research, as the student also correctly pointed out. These additional results can of course only be tentative as they were obtained from single fishes but also this the student is aware of. That justifies mark 1.

6. Formulation of the thesis's conclusions

The comprehensibility of the conclusions and their relevance to the findings (scientific or informative) are evaluated.

Evaluation (mark from 1 – the best to 4 – insufficient): 1 2 3 4

Comment on the evaluation (justification of the proposed mark). Comment is compulsory.

The conclusions are correct and relevant as well as written in a comprehensive style. The results did not differ in relation to over-ripening which was the main topic to investigate, however the student found some differences in between fish that might be related to egg quality. She sees however that it is not really enough to draw valid conclusions and suggests further experiments with more replicates.

7. Professional benefit of the thesis

It is evaluated with regard to the way the work is done and the rate of data extraction, the way of interpretation, the scientific concept of the work, etc.

Evaluation (mark from 1 – the best to 4 – insufficient): 1 2 3 4

Comment on the evaluation (justification of the proposed mark). Comment is compulsory.

It was quite difficult for the student to put the results in connection with the aim and to draw conclusions from that. Only after some time and discussing the student managed to understand the meaning of the results and to compare it to available literature. That's why I give 3

Overall evaluation of the thesis:

Proposal of the evaluation with the mark: excellent very good good insufficient

I recommend the thesis for defence: yes no

Questions for defence:

Question for defence 1
(compulsory)

Considering your results, if you could continue the work and do what you want, what would be your next step?

Question for defence 2
(compulsory)

What do you think is the most important result of your work?

Other comments, expressions and suggestions for defence of the thesis, respectively to its further use:
(optional)

Date and signature:

Date:

15.05.2017

Signature of the student's supervisor:

