Method of Science Education 2

Teacher Licence
Subjects Requisites
2 credit

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1. Course Description

In this course, all students will experience simulated lessons. It is a lecture aiming to train practical leadership skills by evaluating lessons as well as students (learners). In the research consultation, we will do group work. Aim to improve the qualities and abilities required as science teachers. The learning guidance plan will create what incorporates more advanced ingenuity improvement.You will prepare teaching materials using information equipment and aim to develop understandable lessons.

2. Course Objectives

By understanding the curriculum goals and subject targets of high school science education, you can acquire basic knowledge and skills necessary for science teachers, and can be used for subject guidance and student guidance.You can prepare teaching instruction plans and develop effective classes. Understand effective utilization of information equipment and use it for subject guidance.

3. Grading Policy

Evaluate with the content of the teaching instruction plan, simulated lesson (Lesson composition, practical leadership skill, teaching material research, ingenuity of evaluation and status of participation in research consultation) (60%), Exercise printouts and assignment report (40%).In the research consultation, evaluate the content of the teaching instruction plan and the simulated lesson.

4. Textbook and Reference

Textbook
ASASHIMA Makoto and 24 others " Revision Basics of Biology " ISBN 978-4-487-16549-0. Tokyo Syoseki.
MEXT &quot. "High school study instructors guide Science edition･Mathematical version" July Heisei 30 year.
ISBN 978-4-407-34873-6 Jikkyou Syuppann.

5. Requirements(Assignments)

Please review the content of each lesson and research on teaching materials for each unit so that you can evaluate the lesson at the research consultation of simulated lesson (90 minutes). You will issue issues related to science education, so please do research and submit (90 minutes).

6. Note

･ Reference books are used from the first time, so be sure to prepare them.
･Please take classes with your consciousness to become a teacher.

7. Schedule

[1] Orientation.
[2] Learning contents of each subject.
[3] Making an annual guidance plan of the Basics of Biology. Evaluation by point of view and evaluation criteria.
[4] Simulated lesson unit decision. About the teaching instruction plan form. Make a teaching instruction plan.
[5] Make a teaching instruction plan. Teaching materials research.
[6] Simulated lecture by students and research consultation①. Research consultation with the theme of how to write guidance proposals.
[7] Simulated lecture by students and research consultation②. Research consultation with the theme of the introduction.
[8] Simulated lecture by students and research consultation③. Research consultation with the theme of word usage.
[9] Simulated lecture by students and research consultation④. Research consultation with the theme of the blackboard planning and the teaching materials research.
[10] Simulated lesson unit decision.Make a teaching instruction plan. Make a teaching instruction plan for unit which is not implemented.
[11] Simulated lecture by students and research consultation⑤. Research consultation with the theme of the inquiry.
[12] Simulated lecture by students and research consultation⑥. Research consultation with the theme of development of lessons.
[13] Simulated lecture by students and research consultation⑦. Research consultation with the theme of utilization of information equipment.
[14] Simulated lecture by students and research consultation⑧. Research consultation with the theme of demonstration experiment.
[15] Issues and improvement noticed by implementation of simulated lesson.