Review Various Issues/Problems in Science Education

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This course to develop competency on review various issues / problems in science education that related to curriculum, educational management, classroom management, teachers, facilities and equipments, students, and communication between the school LPTK as well as efforts to overcome them.
science education related to curriculum

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Science education related to educational management
Science education related to students
Science education related to teachers
science education related to facilities and equipments
science education related to the communication between the school LPTK
Trends and Issues in Science Curriculum

- The Beginnings: 1860-1920
- The Utilitarian/Textbook period: 1920-1957
Trends and Issues in Science Curriculum

- The First Revolution in Science Education: 1957-1978
- The Second Revolution in Science Education: 1980-Present
Science Education Today

- A Taxonomy for Science Education
Science Education Today

- Cognitive Science and Constructivism
- Cognitive Science Research Related to Constructivism
- Misconceptions
- The Inert Knowledge Problem
- Motivation
Cooperative Learning and Technology

- Cooperative Learning
- Technology
Gender and Cultural Inequities & Assessment Reforms in Science Education

- Blocks to girls in science
- Blocks to Minorites-Group Achievement
- Implication of Research
- Assessment Reforms in Science Education