

Notes for introductory lecture, 12 January 2021



TPG4230 – Field development and operations

Spring Semester 2021

Information

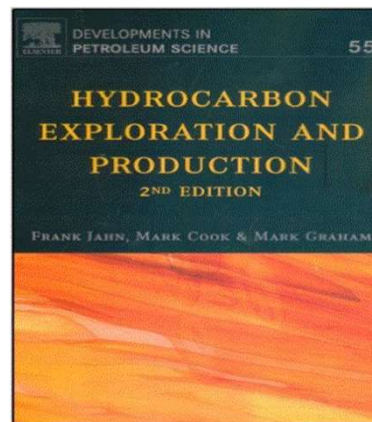
- Lecturer: Assoc. Prof. Milan Stanko (Production Tech) (milan.stanko@ntnu.no). Office 510.
- Teaching assistant: Ressi Bonti Mohammad (ressibm@stud.ntnu.no)
- Lecture schedule
 - Tuesdays, 10:15-12:00 (theory and exercises)
 - Thursdays, 12:15-15:00 (theory and exercises)
- Course [description](#)

Information

- Lectures until 27 April (breaking for Easter)
- Consultation time: preferably after class. Try to make an email appointment.
- Reference group – **any volunteers?**
 - Anonymous comment box (in blackboard)
- **Use Blackboard to navigate the course**
 - Use the forum for Q&A
 - Join a group before delivering the exercise (even if one person only!!)

Reference material

- [Compendium](#)
- [Recommended](#)
- Supplementary
- Hydrocarbon exploration and production (Jahn, Cook and Graham)



Evaluation

- 60% exam (digital home exam in Inspera 19-May, 9:00-12:00, all material allowed).
 - Previous years [exams](#)
 - Examples [2018](#), [2020](#)
 - Make it nice, easy to understand and follow. When provided, use the Excel template

Evaluation

- 40% - assignments
 - All assignments must be delivered to get access to the exam, and at least get 20/40 (pass)
 - Home exercises (delivered in Inspira). Deadline probably in April. Groups of up to 3 people are allowed.
 - (maybe) ungraded partial deliveries in BB to check progress and give feedback
 - Codes of approval of **all** online quizzes. (10/40)
 - **Let me know early if there is a deadline conflict with other courses**
 - **Work on the assignments during the semester!**

Teaching

- Pilot
 - Be understanding and provide constructive feedback
- Digital, until further notice
- «Sort of» flipped classroom
 - Some live classes (Class exercises, tutorials on software, Q&A, advanced topics) – weekly or bi-weekly


Teaching

- Participants watch by themselves pre-recorded videos (ca 45 min) (on [youtube](#))
 - Watch at higher playback speed (1.5x -2x, Milan speaks slow) 😊
 - At certain time stamps (**or at the end of the video**), the videos have embedded links to: other relevant videos, material and quizzes. Example [link1](#) [link2](#)
 - It is recommended to go through the complete video and click on the links along the way
 - It helps if you make your own annotations while watching (with pen and paper or on the pdf)

Quizzes

- Supposed to help you remember better
- Embedded on videos [link2](#)
- When a quiz is completed, a completion code will be shown at the bottom of the quiz – **collect and save the code, this is a proof of completion**
 - Codes of completion will be submitted together with the home assignments in Inspira in an Excel sheet
 - Codes are individual and non-transferrable
 - Take the quiz using your computer
 - We have ways to detect if you generate codes for others, **don't do it!, both codes will be invalidated**

Quizzes

- No solution key will be given
- Known bugs
 - When there is a multiple-choice question, if you want to clear your selection, you have to refresh the page 
 - In some browsers one must scroll down sometimes to see the rest of the quiz and the result code
 - Be patient, give it time to load and process information

Course progress overview – Excel file

Tools

- Excel (VBA)
- Python (Jupyter Notebook) –using Google Colab
- [Hysys](#) (Aspentech, run on ntnu farm) or [DWSIM](#)
- IPM (Petex) – maybe?

Questions?