

TPG4230 - Field development and operations

Associate professor: Milan Stanko (IGP) → well construction and production systems.
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Lectures thursdays 12:15 - 14:00 (P12)
 Friday 10:15 - 13:00

Teaching assistant



I Gusti Angga

Additional exercise sessions to be defined later!

Evaluation → 60% final exam

Spring	ORD	Written examination	60/100	D	2019-05-25	09:00
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40% Home exercises 4-5 sets (3-4 questions) work in groups of 3-4
 delivery on blackboard { penalty for late delivery
 Inspira? -20% per each day

Tools to use in class / home exercise → excel (VBA Visual basic for applications)
 → Hysys (process simulator form.ntnu.no)

Dwsim <http://dwsim.inforside.com.br/>

all class material will be posted on my website <http://www.ipt.ntnu.no/~stanko/files/Courses/TPG4230/2019/>

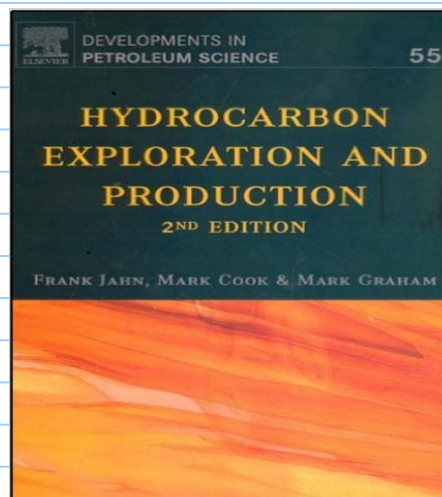
video files available on youtube channel <https://www.youtube.com/channel/UCWMfsCe1NQMgx4UZWrVvFgA>

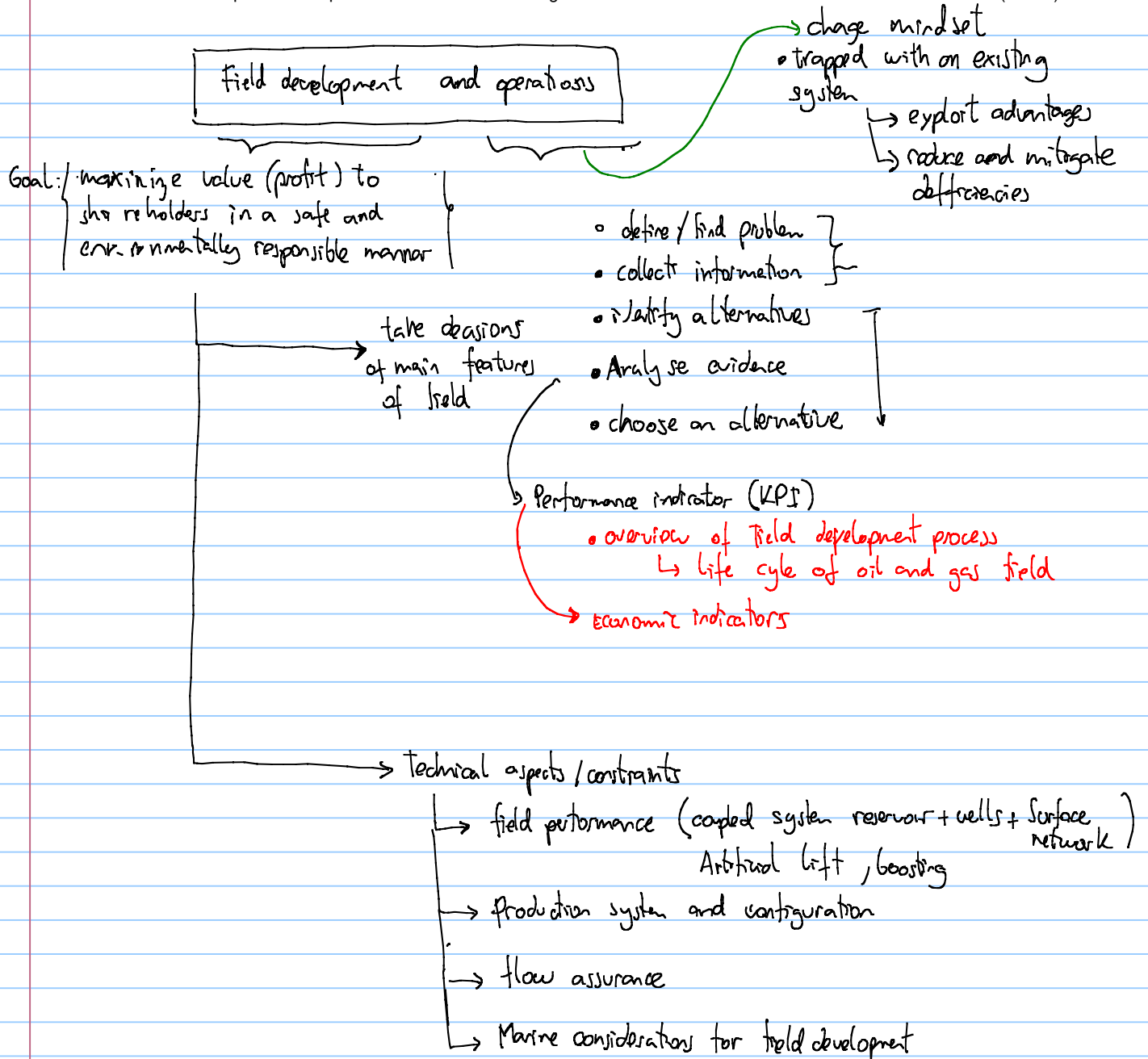
office 230 (2nd floor)

Guest lectures (Monday 14:15-15:00) start end P13
 21.01 15.04

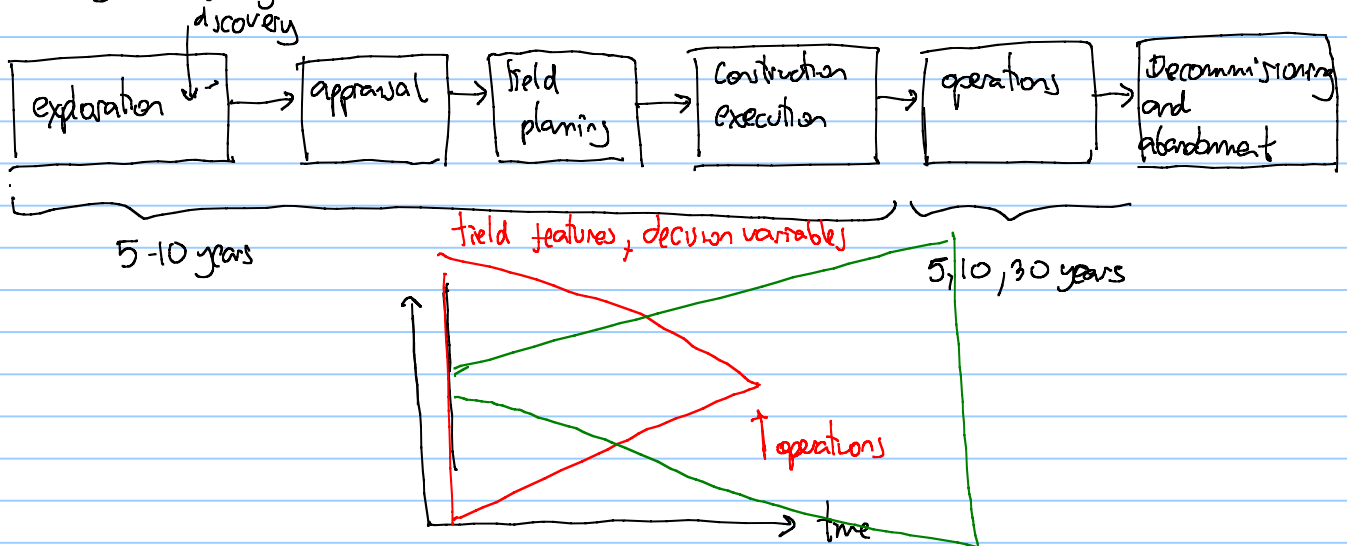
Reference group

- Markus Nielsen
- Armen Hiwa





Life cycle of hydrocarbon field



field development process

DG decision gates (Eriksson method)

(BoK)

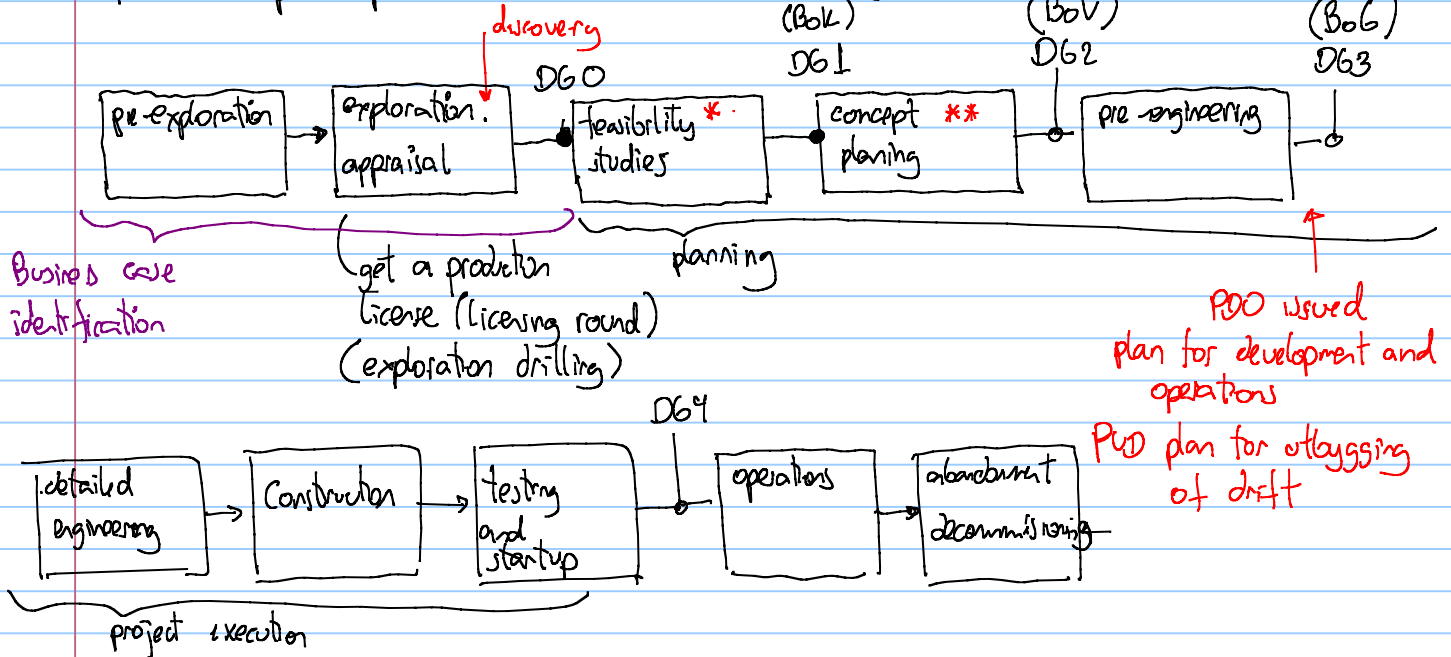
(BoV)

(BoG)

DG1

DG2

DG3



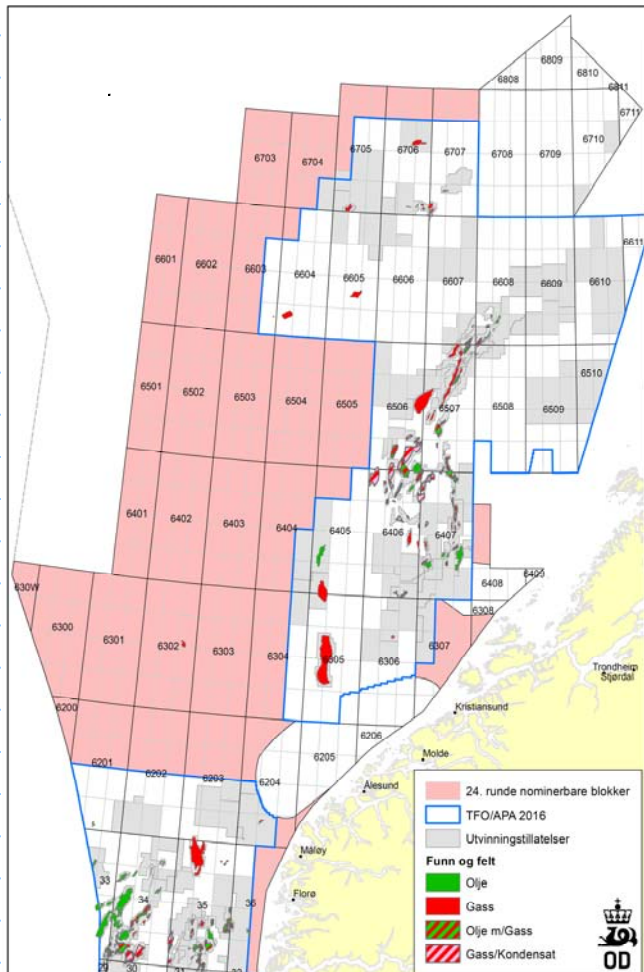
* find alternatives to develop the field

BoK Beslutning om Konkretisering

** develop further all alternatives and choose one (the best)

BoV Beslutning om videreføring

BoG Beslutning om execution

• fees 34000 $\frac{NOK}{Km^2}$ 1st year68000 $\frac{NOK}{Km^2}$ 2nd137000 $\frac{NOK}{Km^2}$

DG0: SOC statement of commerciality

- wait
- more appraisal
- relinquish license
- sell the discovery