



GJELDER FOR STUDIEÅRET 2014/2015

## GRA 8189 Energy, Innovation and the Environment

### Studium

Executive Master of Management in Energy (EMME)

### Kursansvarlig

Atle Midttun

### Institutt

Institutt for innovasjon og økonomisk organisering

### Semester

Se studieplan for aktuelt studium

### Studiepoeng

6

### Undervisningsspråk

Engelsk

### Innledning

### Læringsmål

### Forkunnskaper

### Obligatorisk litteratur

#### Bøker:

- Chesborough, Henry. 2006. Open Innovation, Researching a New Paradigm. Oxford University Press. Oxford. Ch 1
- Christensen, Clayton M. 1997. The innovator's dilemma: when new technologies cause great firms to fail. Boston, Massachusetts, USA: Harvard Business School Press. Introduction and Ch 1-2
- Cooper, Robert G. 2008. "The Stage-Gates Idea-to-Launch Process—Update, What's New, and NexGen Systems". J Prod Innov Manag. pp. 213-232
- Handley, Nick; Shoegren, Jason & White, Ben. 2001. Introduction to Environmental Economics. OUP. Chpt 1 and 2
- Hunt, Sally. 2002. Making competition work in electricity. Wiley. chpt 1-4
- IEA. latest version. World Energy Outlook 2013. latest version. legg inn webreferanse
- IPCC. 2013. Fifth Assessment report. Introduction & excerpts. legg inn referanse
- Midttun, Atle and Nils-Otto Ørjasæter in Maarten Arentsen, Wouter van Rossum and Albert Steenge (eds. 2010. "The Firm as a Nexus Of Product Cycles: Organising Intrapreneurship in The Innovative Firm", in Maarten Arentsen, Wouter van Rossum and Albert Steenge (eds): Governance of Innovation. Edward Elgar. Cheltenham
- Randers, Jørgen. 2012. 2052 A Global Forecast for the Next Forty Years. Chelsea Green Publishers. summary, p99+30pp; p 40 + 9pp; p 14 +8pp
- Weizsäcker, Ernst von. 2009. Factor Five. Earthscan, Sterling USA. pp. 1-19, 267-268, 279-299

#### Artikler:

- Cooper, Ross G.. 2008. The Stage-Gates to Idea-to-Launch Process - Update, What's New and NextGen Systems. journal of Product Innovation management

#### Tidsskrift:

- Borins, S. 2001. "Public management innovation - Toward a global perspective". American Review of Public Administration. No 31 (1). pp. 5-21
- Conner, Kathleen R. & C. K. Prahalad. 1996. "A Resource-based Theory of the Firm-Knowledge Versus Opportunism". Organization Science. Vol 7, No 5 (Sep-Oct)
- Hartley, Jean. 2005. "Innovation in governance and public services: Past and present". Public Money & Management. No 25 (1). pp. 27-34

Hax, A.C. & Majluf. 1984. The Corporate strategic Planning Process. Interfaces, vol 14. Jan-feb 1984  
Kondratieff N. D. and W. F. Stolper. 1935. "The Long Waves in Economic Life". The Review of Economics and Statistics. Vol 17, No 6 (Nov). pp. 105-115  
Kuznets, Simon. 1940. "Schumpeter's Business Cycles". The American Economic Review. Vol 30, No 2, Part 1 (June). pp. 257-271  
Midttun, Atle. 2012. "The greening of European electricity industry: A battle of modernities". Energy Policy. Vol 48 (Sep). pp. 22-35 (14 p)  
Perez, Carlota. 2010. "Technological revolutions and techno-economic paradigms". Cambridge Journal of Economics. Vol 34, Issue 1 (Jan). pp. 185-202  
Schleicher-Tappeser, Ruggero. 2012. How renewables will change electricity markets in the next five years. Energy Policy. Vol 48 (Sep). pp. 64-75  
Wene, Clas-Otto. 2008. "Energy Technology Learning Through Deployment In Competitive Markets". The Engineering Economist. 53, pp. 340-364

## **Anbefalt litteratur**

### **Artikler:**

OECD. 2011. Green Growth Studies: Energy. EA-OECD publications, Paris. Executive summary/ Introduction compulsory, the rest is recommended browsing. [www.oecd.org/greengrowth](http://www.oecd.org/greengrowth).  
OECD. 2012. World Energy Outlook. Ch 3, 4, 7 <http://ostseis.anl.gov/guide/oilshale/>  
OECD/IEA. 2011. Deploying Renewables, Markets and Politics. IEA-OECD publications, Paris. Executive summary/ Introduction compulsory, the rest is recommended readings

## **Emneoversikt**

## **Dataverktøy**

## **Læreprosess og tidsbruk**

## **Eksamen**

## **Eksamenskode(r)**

## **Hjelpemidler til eksamen**

## **Kontinuasjon**

## **Tilleggsinformasjon**