

## **Pensum: Kurs "Introduksjon til Human Factors, metoder og teorier med eksempler fra integrerte operasjoner" (Fagkode SOS6514) ved NTNU - 2013**

### **Obligatorisk pensum:**

#### **Grunnleggende om HF teori og standard metoder:**

1. Wickens, J. E., Lee. J., Lui & Gordon-Becker, S. (2003). "Introduction to human factors engineering." Prentice Hall.
2. Stanton, N. A., Salmon P. M., Walker G.H., Baber C. & Jenkins D.P. (2005). "Human factors methods: A practical guide for engineering and design." Asgate publishing.
3. Kirwan, B. (1992). "A Guide to task analysis." Taylor and Francis

#### **Grunnleggende om samhandling i grupper:**

4. Bower, C., Salas, E., Jentsch, F. & Bowers C. A. (2006). "Creating high-tech teams: Practical guidance on work performance and technology". American psychology association.
5. Salas, E. & Fiore, S. M.(2002). "Team cognition: Understanding the factors that drive process and performance." American Psychology Association.
6. Henderson J., Wright K., Brazier A., (2002). Human factors aspects of remote operations in process plants. Health and Safety Executive (HSE).

#### **Standarder for design og validering av kontrollsentra:**

7. ISO 11064: Principles for the design of control centres, International Organization for Standardization. (Kan bestilles via <http://www.pronorm.no/> )
8. Johnsen S.O., Bjørkli C., Steiro T., Fartum H., Haukenes H., Ramberg J., Skriver J.. (2011): "CRIOP – A scenario method for Crisis Intervention and Operability analysis". See [www.criop.sintef.no](http://www.criop.sintef.no)
9. Johnsen, S. O.; Lundteigen, M. A. "Sikrere fjerndrift med CRIOP". I: Robust arbeidspraksis - Hvorfor skjer det ikke flere ulykker på sokkelen. Tapir Akademisk Forlag 2008 ISBN 978-82-519-2208-1. s. 57-74, NTNU.
10. Kompendium av utvalgte artikler og bokkapitel .

### **Valgfritt**

1. Greenwood, D. and Levin, M. (2007). "*Introduction to action research: Social research for social change*", Sage.
2. Redmill F. and Rajan, J. (1996). Human factors in safety-critical systems. Butterworth Heinemann.
3. Endsley, M.R., Bolte, B., & Jones, D.G. (2003). Designing for situation awareness; An approach to user centered design. Taylor & Francis.
4. Reason, J. (1997). "Managing the risks of Organizational Accidents" Ashgate.
5. Reason, J. (1990). Human error. Cambridge University Press.
6. Dix, A.J., Finlay, J. Abowd G.D. & Beale R. (2004), Human computer interaction. Prentice Hall.
7. Salvendy, G. (1997). Handbook of human factors and ergonomics. John Wiley and Sons.
8. Wilson, J. R. and Corlett, E. N (1990), Evaluation of human work: A practical ergonomics methodology. Taylor & Francis.
9. Guba, E.G. and Lincoln, Y.S. (1989). "Fourth generation evaluation", Sage, California, USA.