



Board of Teacher Education
Physics

Course Reading

Physics II and Physics Education

Valid from 08/15/2019

Course Code: FYGL21

Course Title: Physics II and Physics Education

Credits: 30.0 ETCS cr

Degree Level: Undergraduate level

1. Physics Education

Books

Angell, Carl, Bungum, Berit, Henriksen, Ellen K, Dankert Kolstø, Stein, Persson, Jonas & Renstrøm, Reidum. *Fysikdidaktikk*. Kristiansand: Høyskoleforlaget AS : Norwegian Academic Press

Articles

Forskningsartiklar kring bl a elevers begreppsforståelse och experimentets funktion vid undervisning. max 200

Misc.

Relevanta styrdokument för skolan

2. Wave Physics and beam optics

Books

Jönsson, Göran. *Våglära och optik* (Senaste upplagan). Lund: Teach Support

Nordling, Carl, Österman, Jonny (Senaste upplagan). *Physics handbook for science and engineering*. Studentlitteratur

Young, Hugh D & Freedman, Roger A. *University Physics with Modern Physics*. Addison Wesley

3. Mechanics

Books

Hibbeler, Russell. *Engineering Mechanics, 2 vols.* Pearson

Nordling, Carl & Österman, Jonny. *Physics Handbook för Science and Engineering.*
Studentlitteratur

4. Electromagnetism**Books**

Young, Hugh D & Freedman, Roger A. *University Physics with Modern Physics.* Addison Wesley

Approved by the Board of Board of Teacher Education 05/14/2019