



Faculty of Health, Science and Technology
Physics

Course Reading

Quantum physics in the real world

Valid from 06/01/2020

Course Code: FYGA29

Course Title: Quantum physics in the real world

Credits: 4.5 ETCS cr

Degree Level: Undergraduate level

Books

Cassidy, David Charles (2009). *Beyond uncertainty : Heisenberg, quantum physics, and the bomb*. New York, NY: Bellevue Literary Press

Web resources

Berg, Marcus (2020). Kvantfysik i verkligheten.

<https://tp.hotell.kau.se/marcus/notes/kvantverklig.pdf>. Kompendium

Myrvold, W, Zalta E.N. (ed.), (2016). <https://plato.stanford.edu/entries/qt-issues>. Stanford Encyclopedia of Philosophy

Reference material

Farmelo, Graham (2009). *The strangest man : the hidden life of Paul Dirac, quantum genius*. Faber

Isaacson, Walter. (2008). *Einstein: his life and universe*. Simon Schuster

Rhodes, Richard, Edberg, Lennart (1990). *Det sista vapnet : hur atombomben kom till*. Hammarström & Åberg

Schwartz, David N. (2017). *The last man who knew everything : the life and times of Enrico Fermi, father of the nuclear age*. Basic books

Susskind, Leonard; Friedman, Art (2015). *Quantum Mechanics: The Theoretical Minimum*. Penguin Books

Tipler, Paul A.; Llewellyn, Ralph A. (2012). *Modern physics*. W.H. Freeman

Approved by the Faculty Board of Health, Science and Technology 05/28/2020