



## Library Research Guide for Physics

<http://library.fccollege.edu.pk>

### Finding Online Databases:

The Ewing Memorial Library subscribes to various scholarly databases through HEC Digital Library as well as its own institutional subscription such as Jstor. To search scholarly articles and ebooks on Physics please consult the following databases

**Jstor:** <http://www.jstor.org/>

JSTOR is an archival database that includes full-text content of more than 1,300 academic journals as well as thousands of primary sources. A collection of 338 JSTOR books is available in JSTOR Books on the subject of physics.

**Springer Link:** <http://link.springer.com/>

One of the world's leading online information services for scientific, technical, and medical books and journals. It is a highly valuable resource and provides access to over 150 fully peer reviewed journals on Nuclear Physics, Astrophysics, Classical Mechanics, Quantum Physics, Computational Physics and Optics.

**Taylor and Francis Journals:** <http://taylorandfrancis.com/journals>

Taylor and Francis is a rich scholarly database. It has a wide ranging coverage of Physics and Allied subjects. It provides access to 80+ Journals on Physical sciences, Atomic & Nuclear Physics, Theoretical Physics, Condensed Matter Physics, , Experimental Physics, Space Science, Applied Physics, Statistical Physics and Astrophysics.

**Wiley Online Library:** <http://onlinelibrary.wiley.com/>

Wiley Online Library is a huge scholarly resource covering the numerous disciplines in Physical Sciences & Engineering. It provides full text access to over 70 scholarly journals on Mathematical & Computational physics, Atomic and Molecular Physics, Classical & Fluid Mechanics, Geophysics, Laser, Magnetism, Nuclear & High Energy Physics, Optics, Plasma Physics, Polymer Physics, Quantum Physics, Semiconductor Physics, Solid State Physics, Thermal Physics.

**ProQuest Dissertation & Theses Global:** <https://search.proquest.com/?accountid=135034>

It is the world's most comprehensive collection of dissertations and theses from around the world, spanning from 1743 to the present day. A rich collection of 39, 326 Full text thesis & scholarly dissertations can be accessed for the subjects of physics, nuclear, plasma physics, particle physics, condensed matter physics etc.

**ProQuest Ebook Central:** <https://ebookcentral.proquest.com/lib/hec-ebooks/home.action>

Ebrary offers a wide variety of multidisciplinary content. It acquires large number of titles from leading academic publishers and provides access to over 1 million eBooks on different subject areas. It provides access to 2326 eBooks on Physics.

**ASTM International Standards:** <https://compass.astm.org/CUSTOMERS/index.html>

The ASTM Standards & Engineering Digital Library is a vast collection of industry-leading standards and technical engineering information. It covers a broad range of engineering disciplines, including aerospace, biomedical, biotechnological, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, nuclear, petroleum, soil science and solar engineering.

**Cambridge Core:** <https://www.cambridge.org/core/>

Cambridge Core – the home of academic content is a valuable scholarly database to access useful and inspirational research and academic information. Cambridge core currently acquires over million journal articles and ebooks in a wide range of subjects such as Atomic, molecular, plasma, nuclear Physics, cosmology, Optical and Laser studies, and Astronomy.

**SIAM:** <http://www.siam.org/>

SIAM fosters the development of applied mathematical and computational methodologies essential in solving many real-world problems. It gives access to publications, research, and community whilst building the gap between mathematics and the worlds of science and technology.

### **Finding Print & eBooks in the library:**

To find books go the Ewing Memorial Library I-portal (<http://libraryportal.fccollege.edu.pk>) Search the collection by Author, Title or Subject. To browse the library shelves for resources in Physics try the following call numbers.

Physics	<b>530</b>
Fluid Mechanics	<b>532</b>
Magnetism	<b>538</b>

### **Finding Scholarly Journals:**

The Ewing Memorial Library subscribes to 30 scholarly journals and 9 popular magazines on different subject areas. A complete list of these journals is available at library website <http://library.fccollege.edu.pk/online-databases/journal-and-magazines> and at the help desks. To browse these journals go to the Periodical section in the library where the recent issues of the journals are displayed while the archives are housed separately.

### **Journals in Physics:**

- arXiv High Energy Physics - Experiment
- Journal of High Energy Physics
- Nature Physics
- Physics Today
- Quantum Physics
- Physical Review
- Reviews of Modern Physics

### **Open Course Wares:**

If you want to get access to lecture notes, power point presentations, video lectures on a particular topic of foreign universities you are recommended to search the following open course wares.

**Coursera**

<https://www.coursera.org/>

**MIT open Course Ware:**

<http://ocw.mit.edu>

**Yale University – Open Yale Courses**

<https://oyc.yale.edu/physics>

### **Research Help:**

The library subscribes to citation tools and online scholarly databases. If you are facing difficulty citing the sources or need a training session on any of the online databases, feel free to contact the Helpdesks in Ewing Memorial Library and Information Commons (S-125), in person or send us an email at [library@fccollege.edu.pk](mailto:library@fccollege.edu.pk).