

South Dakota State University
**Open PRAIRIE: Open Public Research Access Institutional
Repository and Information Exchange**

University Archives

Finding Aids

3-26-2018

Department of Physics Records

SDSU Archives and Special Collections, Hilton M. Briggs Library

Follow this and additional works at: https://openprairie.sdstate.edu/finding_aids-university

Recommended Citation

SDSU Archives and Special Collections, Hilton M. Briggs Library, "Department of Physics Records" (2018). *University Archives*. 43.
https://openprairie.sdstate.edu/finding_aids-university/43

This Article is brought to you for free and open access by the Finding Aids at Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. It has been accepted for inclusion in University Archives by an authorized administrator of Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. For more information, please contact michael.biondo@sdstate.edu.

Department of Physics Records

Finding Aid

South Dakota State University Archives and Special Collections
Briggs Library (SBL) Room 241 Box 2114
1300 North Campus Drive
Brookings, SD 57007
Phone: 605-688-5094
Email: arcrefs@sdstate.edu

Collection Summary

Identifier

UA 8.9

Title

Jerome J. Lohr College of Engineering. Department of Physics Records.

Creator

Department of Physics, Jerome J. Lohr College of Engineering, South Dakota State University

Dates

2007

Extent

0.21 linear feet -- 1 small document case

Language

English

Repository

South Dakota State University Archives and Special Collections, Hilton M. Briggs Library, Brookings, South Dakota.

Access note

This collection is open to researchers without restrictions. The materials in the Archives do not circulate and may be used in-house only.

Preferred Citation

Name of item. Jerome J. Lohr College of Engineering. Department of Physics Records. UA 8.9. South Dakota State University Archives and Special Collections, Hilton M. Briggs Library, Brookings, South Dakota.

Abstract

The Department of Physics offers the B.S. in Physics in which students choose one of four elective groups: professional physics, health/medical physics, applied physics, and flexible emphasis. The collection is composed of a report for sabbatical during the spring 2007 semester by Dr. Joel Rauber.

Historical Note

The Physics Department has three main objectives in its program offerings: (1) to serve students interested in engineering as a profession; (2) to serve students from various colleges within the university who need a basic understanding of physics; and (3) to serve students with an interest in a professional future in physics. The department is composed of appropriate professional staff, facilities, and equipment to support these objectives.

The curriculum in Engineering Physics is built around a strong core of physics courses complemented by courses from engineering departments. Students can earn an Engineering Physics degree with an emphasis in either mechanical or electrical engineering by selecting appropriate courses from one of these two areas. This major is designed to give students the ability to apply new research developments to pressing problems of society and is most attractive for those students interested in industrial employment. Graduates with an engineering physics degree typically enter employment as an engineer or continue graduate work in a field such as nuclear engineering, electrical engineering, mechanical engineering or aerospace engineering.

The curriculum in Physics is an option similar to the Engineering Physics curriculum that is not necessarily directed toward engineering. Not requiring the depth of engineering courses allows the Physics curriculum more flexibility to accommodate a wide range of student interests. Students interested in a professional physics career, graduate school, medical school, secondary physics education, meteorology, or a multitude of related areas can choose this option. This flexibility is achieved by building a curriculum around a core of 28 required semester credits in physics. Listings of elective

courses for various technical careers are available in the Physics Department office.

The Department of Physics is now administratively located in the College of Arts and Sciences.

Contents Note

This collection is composed of a report for sabbatical during the spring 2007 semester by Dr. Joel Rauber. Included is a copy of the first two pages of the sabbatical leave request and a copy of the Physics 211 Laboratory Manual that Dr. Rauber rewrote during his sabbatical. He also revamped a few of the laboratories to take into account current equipment and possible improvements.

Key Words

Rauber, Joel

South Dakota State University. Department of Physics.

Administrative Information

Conditions Governing Access

This collection is open to researchers without restrictions. The materials in the Archives do not circulate and may be used in-house only.

Researchers conducting extensive research are asked to make an advance appointment to access archival material. Please call or e-mail prior to visiting the collection and indicate as much detail as possible about a particular topic and intended use.

South Dakota State University supports access to the materials, published and unpublished, in its collections. Nonetheless, access to some items may be restricted as a result of their fragile condition or by contractual agreements with donors.

Copyright note

Copyright restrictions apply in different ways to different materials. Many of the documents and other historical materials in the Archives are in the public domain and may be reproduced and used in any way. There are other materials in the Archive carrying a copyright interest and must be used according to the provisions of Title 17 of the U.S. Code. The Archive issues a

warning concerning copyright restrictions to every researcher who requests copies of documents. Although the copyright law is under constant redefinition in the courts, it is ultimately the responsibility of the researcher to properly use copyrighted material.

Arranged and Described by

Crystal J. Gamradt, 2008 August 20.

Container List

Box	Folder	Description	Date(s)
1	1	Report for sabbatical during Spring 2007: Dr. Joel Rauber, Dept. of Physics	2007