INSTRUCTOR: Diane Clark  
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Office Hours: By appointment

Calendar Description: Information resources and their administration in a specialised field and for a specialised clientele. The emphasis is on the nature of the field, problems of collection development, bibliographic access, retrieval and use by the clientele, and administrative issues in solving these problems. Specialised fields regularly examined are law, business, health sciences and science and technology.

Course Objectives:  
Upon completion of this course students will be able to:

- Describe the scientific method  
- Differentiate between scientific disciplines (e.g. physical sciences, life and natural sciences, engineering and technology) with respect to information needs, user behaviours and communication practices  
- Differentiate between types of science and technology libraries, and the services and issues relevant to each  
- Select and search the most relevant resources to respond to reference queries  
- Identify and provide a critical analysis of the key issues relating to science and technology libraries today  
- Characterize the scientific literature and utilise tools for collection analysis  
- Explain research data management, including organising, sharing, accessing and archiving of data.

Measurable Student Learning Outcomes:  
Students will be able to analyse and use resources quickly, and determine when and for what purposes they will be most useful.
Students will examine literature pertaining to issues or trends in science and technology librarianship through collaborative preparation of papers and presentations.

Students will be able to differentiate between and utilise tools for collection analysis.

**Content:**

Topics include major resources, in science and technology, collection issues, literature searching, professional practice issues and trends, and an overview of the diverse environments in which librarians work and types of services provided.

**Methods:**

Lectures, discussions, readings, demonstrations, small group work, guest lectures, hands-on learning and student presentations.

**Course Relationships:** Pre-requisite LIS 501

**Required Texts:**

None. Readings will be drawn from literature available via the University of Alberta Libraries.

**Assignments and Weighting:**

<table>
<thead>
<tr>
<th>Assignment name</th>
<th>Due date</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Resource assignments: (individual)</td>
<td>May 15, May 17, May 29</td>
<td>30%</td>
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<tr>
<td>Research Data Management: Write a DMP and Deposit Data (individual)</td>
<td></td>
<td>20%</td>
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<tr>
<td>Key Issues and Trends presentation (group)</td>
<td>June 14</td>
<td>40%</td>
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<tr>
<td>Participation:</td>
<td></td>
<td>10%</td>
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School of Library and Information Studies Grading Statement:

Grades reflect professional judgements of student achievement made by instructors. These judgements are based on a combination of absolute achievement and relative performance in class. The instructor should mark in terms of raw scores, rank the assignments in order of merit, and with due attention to the verbal descriptions of the various grades, assign an appropriate final letter grade. Grades are calculated in accordance with the SLIS Grading Procedure.

Academic Integrity: The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these stands regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behavior (online at http://www.governance.ualberta.ca/) and avoid any behaviour which could potentially result in supsicion of cheating, plagiarism, misrepresentation of facts an/or participation in an offence. Academic dishonesty is a serious offense and can result in suspension or expulsion from the University.

Students should also be mindful of the SLIS Copyright Policy (http://www.slis.ualberta.ca/Resources/~media/slis/Documents/Resources/SLISPoliciesandDocuments/SLIS_Copyright_Policy.pdf).

Inclusive Language and Equity: The Faculty of Education is committed to providing an environment of respect for all people within the university community and to educating faculty, staff and students in developing teaching and learning contexts that are welcoming to all. The Faculty recommends that students and staff use inclusive language to create a classroom atmosphere in which students’ experiences and views are treated with equal respect and value in relation to their gender, racial background, sexual orientation and ethnic background. Students who require accommodations in this course due to a disability or chronic health condition affecting mobility, vision, hearing, learning, or mental or physical health are advised to discuss their needs with Student Accessibility Services.

Recording of Lectures:

Audio or video recording, digital or otherwise, of lectures, labs, seminars or any other teaching environment by students is allowed only with the prior written consent of the instructor or as a part of an approved accommodation plan. Student or instructor content, digital or otherwise, created and/or used within the context of the course is to be used solely for personal study, and is not to be used or distributed for any other purpose without prior written consent from the content author(s).

Policy about course outlines can be found in Section 23.4(2) of the University Calendar.