

Books, Bytes, and Buildings: The Academic Library's Unique Role in Improving Student Success

Abstract: Student persistence and completion are paramount in higher education, and institutions are employing targeted programs and initiatives to address these concerns. The academic library can play an especially important role in these efforts, given its unique interdisciplinary mission and its integrated instructional programs. With a foundation in both higher education and library and information science literatures, this article describes how one academic library engaged in cross-campus programs, partnerships, and initiatives to contribute to student success efforts. Other libraries may find these examples useful as they consider how to frame their work in the context of their institutions' student persistence efforts.

Keywords: student success, persistence, retention, academic libraries

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Public, access-driven colleges and universities across the United States are working proactively to address student success through targeted programs and initiatives, at least partially in response to a growing focus on retention and completion rates as performance measures in higher education. Some of these efforts to increase student success may include first-year experience centers, expanded advising services, and undergraduate research and interest-group programs. This article presents a case study of one academic library's strategies to strengthen its role in these campus-wide, student-success efforts, through innovative programs, partnerships, and initiatives that leverage the strengths and centralized platform that most academic libraries offer.

Student Retention and the Role of the Academic Library

The literature focused on retention in higher education exhorts colleges and universities to develop coordinated, integrated efforts across all units to have the greatest impact on student-success rates (Tinto & Pusser, 2006). Because the academic library exists at the crossroads of the oft-parallel worlds of academic affairs and student services, it offers unique integration opportunities into student completion programs. Independent of these initiatives, though, the 21st academic library's teaching, resources, and services are increasingly integrated into institution-wide programs and culture. While the academic library has always been charged with providing research and teaching support, this work may now be offered in more seamless, digital, and/or personalized forms. In the specific context of persistence, the literature on the academic library's role illustrates two dimensions in which the library can play a part. First, it can influence traditional considerations of student success, including academic

attainment, grade point average, and graduation rates. Also, the academic library can impact more affective considerations, such as feelings of self-efficacy and connectedness.

Traditional Dimensions of Student Success

Information literacy instruction. Librarians frequently aim to enhance student success through information literacy instruction. Broadly defined, information literacy is the ability to find, evaluate and ethically use information (Association of College and Research Libraries, 2000). In *Information Literacy Competency Standards for Higher Education* (2000), the Association of College and Research Libraries' (ACRL) current guiding document for information literacy instruction at colleges and universities, the skills, behaviors, and competencies that college and university students should attain throughout their educational experience are enumerated. These standards state that, by graduation, an information-literate student should be able to determine the extent of an information need, access necessary information effectively, evaluate this information, and use it effectively for specific goals, all while understanding the ethical issues surrounding information access and use (ACRL, 2000).

More broadly, the ability to navigate through exponentially increasing amounts of information and non-information to meet both professional and personal information needs is a critical skill for an educated workforce and an educated populace. As such, the American Association of Colleges and Universities (AAC&U), in its Liberal Education and America's Promise (LEAP) initiative (2008), includes information literacy as an essential learning outcome of a liberal education. Many disciplines also include information literacy concepts in their core competencies and outcomes. For instance, the American Psychological Association's (APA) (2013) learning outcomes for undergraduate psychology majors address students' ability to

develop strategies for locating relevant scholarship by way of queries in databases and journals, differentiate between peer-reviewed and non-peer-reviewed work, and evaluate the quality of information retrieved -- whether scholarly or popular in nature.

For library use to be positively associated with student persistence and success, students need to gain an understanding of the library, the research process, and the resources and services available to them. Building this knowledge can be accomplished by librarians through a variety of formal and informal library-related instructional initiatives, which may include one-to-one research consultations, point-of-need assistance at research help or reference desks, online tutorials, ad hoc workshops, and formal instruction sessions integrated in single courses or throughout an academic program. As cross-unit collaboration increases, embedding library programs and instructional offerings into academic departments, schools, or colleges has become more popular and is seen as an effective way to make students aware of what the academic library can offer them (Shumaker & Talley, 2009).

Research into the relationship between student success and information literacy instruction in its many forms has addressed several instructional techniques. For instance, Soria, Fransen, and Nackerud's (2013) study of library use among first-year students at the University of Minnesota tracked students' engagement in library-focused instruction in a number of ways. They measured first-year students' participation in library workshops; exposure to course-integrated library instruction in at least one of their classes; enrollment in the libraries' "Introduction to Library Research" online workshops; and use of the libraries' research help services through chat and peer consultations. From an assessment of these diverse instructional methods, the researchers found specifically that those first-year students

who enrolled in more than one of the “Introduction to Library Research” workshops were seven times more likely to return in the following semester.

At the other end of students’ educational experience, Bowles-Terry (2012) explored the impact of direct library instruction on student achievement at the University of Wyoming through a series of focus groups with graduating seniors who had received library instruction at least once at the university. In these discussions, she found that students pointed not only to the value of library instruction for first-year students but also to follow-up, discipline-specific instruction in higher-level courses in their majors; this is a concept known as scaffolded instruction. In addition, all of the transfer students included in the interviews expressed the need for some form of library orientation, as many transfer students take their first-year writing courses at a prior institution. Finally, an analysis of more than 4,400 transcripts of University of Wyoming graduating seniors found a statistically significant difference in GPA for students who were provided library instruction in an upper-division course, compared to those who had not (Bowles-Terry, 2012).

At a higher level, it is also important to consider new ways information literacy instruction can be mapped to high-impact practices in higher education. Riehle and Weiner (2013) examined the literature in this area and considered research conducted outside of library science to identify how information literacy is embedded in capstone courses, service learning, undergraduate research, writing-intensive courses, and learning communities. For example, while the connection between the library and undergraduate research- and writing-intensive courses may be obvious, the authors point to the need to find, evaluate, and use information in order to solve real-world problems that they face in service-learning experiences

and capstone courses. These researchers conclude that more conversation is needed among librarians, faculty, student affairs staff, and other constituents to strengthen institution initiatives. Information literacy instruction, then has a place beyond a first-year writing course or a research methods course.

Collections and resources. Another traditional marker of the academic library's impact on student success is related to the kinds of materials and resources available for scholarship and research. There is a long history of studies that attempts to measure the relationship between library collections and student achievement. While this research may have originally examined print collections by exploring book-checkout frequencies, in light of the digital transformation of collections it now focuses on students' use of online journals and research databases, eBooks, and general Internet resources. Mezick (2007) looked at data from the Association of Research Libraries (ARL), ACRL, and the Integrated Postsecondary Education Data System (IPEDS) to explore the relationship of collection expenditures to student persistence. Her analysis revealed positive correlations between retention and library-materials expenditures for every Carnegie classification, and most strongly for institutions in the baccalaureate college category. It is important to note, though, that other factors contribute to student persistence: It may be that institutions that fund their libraries well also focus on other retention initiatives, or perhaps that good students select universities with strong libraries.

Beyond collection expenditures, other researchers have focused on the actual use of library collections and its impact on student success. In a survey of more than 400 undergraduate students, the Primary Research Group (2009) found that students who use library databases and other resources to write research papers, as opposed to general search

engines like Google, tend to have higher GPAs than students that rely on the free Internet. More recently, this correlation between the use of library resources and grades has been reinforced, both within the United States and abroad (Haddow & Joseph, 2010; Jantti & Cox, 2013; Wong & Webb, 2011). Soria, Fransen, and Nackerud (2013) focused specifically on the library-use patterns of first-year students at the University of Minnesota by tracking database, eBook, and e-journal logins; website logins; checkouts of library materials; interlibrary loan transactions; and library workstation logins. The researchers found that these students used library databases almost twice as often as other library information sources, and that students who used library resources at least once during the fall term had a higher GPA and were 1.54 times more likely to return the following semester than non-library users. Moreover, students' use of library space (as measured by library workstation logins) correlated with a higher GPA.

Affective Dimensions of Student Success

While access to resources and interactions with academic librarians may influence students' persistence and academic achievement, the academic library may also affect retention in other ways. For instance, the library may serve as a requisite stop for prospective students on campus tours. In a passive way, the library building can serve as part of the recruitment package, but the experience students have once they enter its doors may contribute to their sense of engagement and academic satisfaction (Elteto, Jackson & Lim, 2008). This environmental component helps the academic library to serve as the welcoming communal place that serves all students, faculty, and the general public as a space for collaboration and knowledge-building. At one university in the United Kingdom, Goodall and Pattern (2011) found that the highest-achieving students made the most use of the academic

library's spaces and resources. In this way, the academic library can serve as both the physical and emotional center of a college or university.

The library also acts as a safe place for students, especially in their first days at an institution, to ask questions beyond what is thought of as the library's traditional realm, questions such as where the ID card office is located or what is the deadline for registration (Grallo, Chalmers & Baker, 2012). Furthermore, evidence has shown that student engagement with full-time, tenure-track faculty aids retention (Kuh, Kinzie, Schuh & Whitt, 2005; Kuh, Laird & Umbach, 2004), so direct engagement with full-time faculty librarians through research consultations, guidance, and instruction may also impact students' self-efficacy. Improved self-efficacy is one factor that helps students, especially commuter students, succeed in the oft-confusing world of higher education (Braxton, Hirschy & McClendon, 2004).

While some affective dimensions of student support are difficult to measure, academic libraries can reach students and impact their success via other, more quantifiable avenues. For instance, an academic library may develop relationships across institutional units *outside* traditional partnerships, such as with advisors from across the divisions of Academic Affairs and Student Affairs (Forrest, 2005; Hagel, Horn, Owen & Currie, 2012; Love & Edwards, 2009; Pan, Valliant & Reed, 2009). These kinds of relationships can be fostered to reach target student populations (i.e., transfer students) or to share information about library-based resources that might be relevant to their work, such as test-preparation resources. Building such partnerships may help to further cement the academic library as a center of discovery and access to scholarship and research.

Library Student Workers: A Special Case (Study)

Because the academic library can serve both academic and administrative roles in student life, an interesting dimension to consider in terms of student persistence is the retention of library student employees. This special population represents a small but relatively fruitful area of research that synthesizes the literature on the academic library's relationship to student success. Wilder (1990) posited that "jobs in the library may help increase retention to the extent that they socialize students to the university, and provide them with school-related support networks of fellow students and staff members" (p. 1037). Rushing and Poole's (2002) examination of Loyola University library's program to curb turnover in student workers revealed that their library student workers had higher graduation rates than their peers. This may be in part because library student employees are immersed in an environment strongly conducive to study and contemplation, and they may find mentors from librarians and library staff, further connecting them to the university. This limited examination in the literature suggests that library student workers are, in a sense, a shining example of how the library can contribute to the university's retention efforts.

Institutional Case Study: Oakland University Libraries and Student Success

With this research in mind, it is useful to consider how one academic library has synthesized the scholarship into practical programs. Oakland University (OU) is a Carnegie-class doctoral research university in Rochester, Michigan, of over 20,000 students and over 260 degree and certification programs at undergraduate, graduate, and continuing education levels (Oakland University Office of Institutional Research and Assessment, 2014). As the student population of OU has grown, administration and faculty have increasingly focused on increasing student persistence and completion rates. While these figures are improving (Oakland

University Office of Institutional Research and Assessment, 2013), room for continued growth remains. As a vital and integrated unit in the institutional community, OU Libraries have increased their focus on how to best address students' academic attainment through student learning, acquisition of general education, preparation for adulthood and citizenship, and personal development. Specifically, OU Libraries work to have an impact on student success and to ensure attainment of these standards at the individual student, course, department, and program levels. Examining these roles more closely can help other academic libraries to re-conceptualize and re-frame their work in terms of retention and persistence.

Individual-Level Practices

At the individual student level, OU's librarians take two tactics to reach students and impact their success: research consultations, and the creation and implementation of online learning objects.

Research consultations. At OU Libraries, research consultations, or one-on-one meetings between a librarian and a student, staff, or faculty member, appointments are scheduled in 30-minute increments. This duration allows for focused conversation on an individual's research question or need. Such 1-to-1 meetings differ from the conversations that occur at academic libraries' reference or research help desks, where anyone -- regardless of affiliation to the university -- can visit with a question. Interruptions are limited, conversation is more focused, and research needs or topics can be delved into more deeply.

At OU Libraries, students are encouraged to schedule research consultations at any point during the research process and can address any or all of the ACRL information literacy standards. For instance, a librarian may meet with a student to help develop a topic and

identify information needed, or to develop keywords or phrases for finding information, or to help find and evaluate scholarly resources that can then be put to use. Generally, though, research consultations are scheduled for one of three reasons: first, from a student's independently-motivated desire to seek help at a convenient time; second, from an instructor's recommendation or specific direction for students to speak a specific librarian as part of a liaison librarian structure (see the section on Department-Level Practices); and third, in relation to, or as a follow-up to, in-course information literacy instruction.

While OU Libraries are certainly not unique in offering 1:1 research consultations, the university's librarians strive to offer one-on-one research assistance in a variety of ways to meet students' needs. This is particularly important because OU's students are largely commuters and many work part- or full-time while enrolled. Consultations are available in face-to-face meetings, over the phone, or remotely via Skype or web conferencing software (i.e., WebEx). In the 2013-2014 academic year, OU Libraries provided 459 individual consultations to students, faculty, and staff through these different media (see Figure 1).

[INSERT FIGURE 1 HERE]

OU librarians strive to provide these appointments through seamless and streamlined systems integrated into the student learning experiences, regardless of student reasons for seeking one-on-one research help. This is primarily done through a free, online scheduling tool, YouCanBook.Me, which integrates with OU librarians' existing calendars (provided through Google Apps suite). YouCanBook.Me allows librarians to reach each of the three categories of consultations mentioned above. For self-directed students seeking research help, OU Libraries offer an online research consultation calendar integrated into the library website, which is

powered by YouCanBook.Me; this pulls data from each individual librarian's web-based calendar and combines any open appointments into a single, one-stop-shop calendar for students. This format is highly student-centered because research consultations can be scheduled with any available librarian at any convenient time. For those students looking to schedule a one-on-one meeting with a specific librarian because of an instructor's direction or because the librarian is a subject specialist, YouCanBook.Me also allows each individual librarian to set up a separate, private calendar for research consultations. This option is convenient for students who have greater schedule flexibility or a desire to meet with a particular individual, and these separate calendars are linked to librarians' personal web pages on the library website. And finally, for those students who need to meet with a librarian in relation to a specific class assignment (e.g. a capstone or thesis project), librarians have set up specific calendars of appointments in collaboration with instructors or faculty members; in particular, such a joint endeavor is meant as a resource for students to identify their information needs, access information, and critically consider various sources of information through the context of their academic assignment(s) (see Figure 2).

[INSERT FIGURE 2 HERE]

Online learning objects. Another way OU Libraries work to reach individual students is through the development and deployment of online learning objects, or web tutorials. Through the libraries' websites, students have access to a wide variety of online learning objects, both in terms of the content these objects convey and the types of tools instructors have used to design and deliver said content. For instance, there are web pages with images and step-by-step directions to show processes, brief videos to illustrate skills, and more interactive tutorials

that aim to build conceptual understanding.

During the 2012-2013 school year, OU Libraries underwent a systematic redesign process of how it designed, delivered, and offered our online learning objects to students. Based on the literature in the area, best practices were established to guide librarians' work. Instructional content and its delivery system needed to be maintainable for librarians, available to students at points of need, geared at intended users (students, faculty, and staff), informative for learners, and customizable based on students' needs (Nichols Hess, 2013). As part of this process, OU Libraries worked hard to reach out to students rather than making students come to the libraries on its terms. This meant that librarian-centric categories gave way to simplified collections of collated resources, clickable keywords in a dynamic word cloud, the inclusion of a search bar, and highlighting the most-frequently accessed resources in an attempt to make the online learning objects more user-centered. Moreover, content creation and evaluation guides, such as decision trees and rubrics, were generated to help provide a learner-centered structure for librarians' content-creation efforts.

Initial analysis suggests these changes have increased online learning object use. For example, the new tutorials landing page was visited by more than 5,500 unique users in the 2013-2014 academic year. Web analytics have also highlighted which resources are most frequently used, and this provides guidance for librarians in future instructional efforts and resource development. Moreover, various features on the page -- such as the search bar -- provide data on the kinds of information students need to succeed. Search terms are tracked and, as with this information, OU Libraries can continue to develop resources to influence student learning and achievement.

Course-Level Practices

As aforementioned, librarians can impact student success, particularly in information and critical literacy, through instruction at the course level. How this instruction takes shape, though, is becoming more flexible with the increasing diversity of, and access to, technology tools. In response to this, and to the needs of its student population, OU Libraries parlay their online learning objects into course-integrated online learning modules to impact student success.

Online learning modules. While OU librarians primarily create online learning objects to deliver information literacy instruction at individual students' time and point of need, these resources can also be integrated into students' learning experience in face-to-face, online, or blended course environments. Such integration can take the form of an individual tutorial required by an instructor or as a component of a course-specific module designed in an instructor-librarian collaboration.

For example, consider an in-course module for a face-to-face course that meets off-site, and its students cannot come to the library. In collaboration with an instructor or faculty member, an online learning module can be developed that covers content similar to face-to-face instruction, and provides students opportunities to engage in active learning. The traditional "instruction" or instructional content (i.e., the supplantive information provided) can be delivered through videos, screencasts, or images and text. OU's course-management system, Moodle, facilitates the embedding of this module into students' existing online learning experience in the course, thus making the information literacy instructional content more connected to course content. Although this module represents a resource for a face-to-face

course, this is one way OU's librarians can reach both distance and online students with information literacy education while encouraging the use of library resources and putting a face with the library (see Figure 3).

[INSERT FIGURE 3 HERE]

The effectiveness of such resources at OU Libraries have been considered through a quantitative comparison of instructional methods and student learning outcomes. In a study of students in upper-level sociology courses (i.e., 300/400 level courses) and their performance on assessments following either an online or face-to-face learning workshop, it was determined that the format did not have a significant difference on performance and attainment of learning outcomes (Nichols Hess, 2014). This reinforces the idea that the library can affect individual students' success by being embedded into a course, even if that course is online. In particular, this kind of structured learning can address students' desires for convenience and customizable learning experiences. Also, those students who elected to participate in the online learning workshop saw a significant shift in their perception of the library and its place in their research, including their likeliness to use library resources in the future. This, in turn, may lead to greater academic achievement. Considering the effectiveness of online learning as it relates to student success is important to libraries and librarians, because it can give us insight into how we can impact student success at both the individual and course levels, especially as more instruction moves online.

Departmental and Large-Scale Outreach

Library integration into the curriculum need not be limited to the individual course level; rather, information literacy instruction and guidance may benefit the student even more when

carefully scaffolded throughout the curriculum within a department. At OU, each librarian works with one or two liaison areas to develop deeper relationships with the departmental faculty and students through high levels of integration into the curriculum.

Department-embedded librarianship. One department which has particularly embraced the embedded librarianship model is OU's Art and Art History (AAH) faculty. As with all departments, the liaison librarian began by working to get to know the faculty there and the unique needs of their students. This was particularly important because it is often assumed that artists do not need to do research; however, artists are continually seeking out and using information to shape their formal processes. In this particular department, capstone-level students are required to produce a thesis paper that not only discusses their personal artistic goals but places those goals within a larger societal and art historical context. Students, then, need to understand how their work draws upon or has been influenced by other artists, as well as communicate what purpose their work serves, or what theoretical framework they may have had in mind when creating.

OU's students are primarily commuters and many work full-time or several part-time jobs while squeezing in every credit they can within the time they have. In addition, many students have transferred to OU from another institution, so they end up not enrolling in many writing-intensive courses where they may encounter library and research instruction. The AAH faculty members were growing concerned that at the thesis level the students were completely unprepared for the caliber of research and writing they needed to complete. In 2012, the library and the department began structuring an information literacy curriculum for the studio art students that slowly builds those skills while they are taking their art classes, so that when

they reach their senior thesis class, they are ready.

By working closely with the faculty, the liaison librarian has developed targeted activities and lessons for the courses, with the photography class being the pilot/test group. The classes not only bring students to visit the physical space of the library – something they may not do otherwise – but gets them practicing the skills of research. There is general agreement among librarians that information literacy instruction is best served at point of need, so as much as possible the content relates to current projects or otherwise ties in to the major. Additionally, many of the assignments are sent to the librarian for grading, which further allows her to establish a relationship with the students, so that if they do need assistance, they feel comfortable later on knowing who to go to. To further embed, the librarian will also attend some of the class sessions and critiques to understand what is going on with the students and their work.

The faculty initiated information literacy instruction in the winter of 2012; the programmatic instruction began that following fall. Initial assessment indicates that the efforts have had a positive effect, with both faculty and students commenting that student research has been getting better/easier to do. Research consultations for this group of students have increased dramatically. Additionally, an analysis of the cited references in thesis papers over the past few years shows that students are increasing both the number of sources they use and the quality.

Broader embedding of library services. On a larger scale, OU Libraries have also experienced perhaps its most successful partnership with OU's writing department. Here, the library has had embedded instruction in the required first-year writing course (WRT 160) for

decades. Each student who takes the WRT 160 course attends an instruction session within the library or online. The librarians teach about 100 sessions per semester. The hour-long content covers basic skills needed to construct and execute a research query. Librarians explain the tips and tricks for effective searching, and students are given further content online that reinforces what they learned in the course and gives them additional information on source types, evaluating information, and accessing information. These skills set students up for success within their entire college careers and beyond. The library faculty are constantly assessing the quality of instruction and its effectiveness, and adjusting as needed on a year-by-year basis (see Figure 4).

[INSERT FIGURE 4 HERE]

Additionally, library faculty members have also established partnerships with groups across the institution in order to strategically promote services and resources. Partnerships with advising and the Center for Multicultural Initiatives, for example, have enabled the library to reach many students at point-of-need. From workshops in residence halls upon students' requests to referrals for research consultations that were initiated during a conversation between an advisor and a student, the more the entire college or university knows about the library and its services and the more the library is able to help students be successful.

Future Areas for Inquiry and Research

While OU Libraries have integrated its services and resources into its university community and supported student success and persistence at the individual, course, program, and department levels, there are several areas in which future inquiry may continue to serve students. First, OU Libraries continue to explore partnerships with academic advising units so as

to develop more targeted strategies and programs for reaching marginalized and invisible student groups. This includes transfer students, who often feel disconnected at a commuter-dominated institution and student groups with traditionally low retention rates, such as African American students. Also, the libraries continue to assess its instructional modules and content at the department level; as such, a close examination and comparison of online and face-to-face instruction is underway to determine whether web-based instruction may reach students as effectively as its face-to-face counterpart. Finally, the Libraries continue to consider new models of engaging with students. Most recently, this has included the concept of the personal librarian (Spak & Glover, 2007). In such a model, first-year and incoming students are assigned a librarian upon matriculating at the university. Also, OU Libraries have considered assigning liaison librarians to administrative units so librarians could provide just-in-time services and resources as they do with academic departments. These new and developing concepts may offer OU Libraries increased opportunities to reach students and boost persistence and completion.

Conclusions and Recommendations

As institutions address their students' persistence and completion, academic libraries should consider the roles they can and already *do* play in these efforts. Measuring these roles is not without its challenges, though: determining the specific influences of library services, spaces, and resources have on student persistence and completion is difficult to do. However, the work of Oakleaf and others as part of ACRL's Value of Academic Libraries initiative may aid future attempts to delineate the connections between student success and academic libraries (ACRL, 2010). Library administrators and librarians can work together to identify these relevant

contributions at their own institutions, for no two campuses are the same. It may be useful to begin by delineating the library services, resources, and assets already offered and how these components can correspond to students' most frequently asked questions or most frequently expressed needs. Each institution's questions and needs are unique. For this reason, a needs assessment at the library level can help identify opportunities for collaborations or partnerships and can enable institutions to leverage more of the existing strengths of the academic library to positively affect student success in innovative and creative ways.

Figure 1. The OU Libraries’ research consultations calendar, where students can arrange for a 1:1 research-help appointment at a convenient time.

The screenshot shows the University Libraries website interface. At the top, there is a navigation bar with 'University Libraries' and 'KNOWLEDGE UNBOUND'. Below this, there are buttons for 'Kresge Library' and 'Medical Library'. A search bar is present with the text 'Library OneSearch' and 'Find articles, books, and more...'. To the right of the search bar are icons for 'Ask a Librarian', 'email', 'phone', 'chat', and 'in person'. A sidebar on the left contains a 'Find' menu with options like 'Research Help', 'Ask a Librarian', 'Research Consultations', 'Subject Librarians', 'Course & Subject Guides', 'Citation Tools', 'Tutorials', 'Services', and 'About'. The main content area is titled 'Request a Research Consultation' and includes the text 'You are welcome to schedule a consultation below or contact a specific subject librarian.' Below this is a calendar grid for the week of November 3-7, 2014. The calendar shows time slots from 9:00 AM to 1:00 PM in 30-minute increments. Slots for Monday, Wednesday, and Friday are partially crossed out, indicating limited availability on those days.

Mon 11/3/14	Tue 11/4/14	Wed 11/5/14	Thu 11/6/14	Fri 11/7/14
9:00 AM	9:00 AM	9:00 AM	9:00 AM	9:00 AM
9:30 AM	9:30 AM	9:30 AM	9:30 AM	9:30 AM
10:00 AM	10:00 AM	10:00 AM	10:00 AM	10:00 AM
10:30 AM	10:30 AM	10:30 AM	10:30 AM	10:30 AM
11:00 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM
11:30 AM	11:30 AM	11:30 AM	11:30 AM	11:30 AM
12:00 PM	12:00 PM	12:00 PM	12:00 PM	12:00 PM
12:30 PM	12:30 PM	12:30 PM	12:30 PM	12:30 PM
1:00 PM	1:00 PM	1:00 PM	1:00 PM	1:00 PM

Figure 2. Library faculty members can set their own research consultations calendars, which students can use if they wish to meet with a specific individual.

The screenshot displays the University Libraries website interface. At the top, it features the 'University Libraries' logo and the tagline 'KNOWLEDGE UNBOUND'. Below this, there are navigation tabs for 'Kresge Library' and 'Medical Library'. A search bar is prominently displayed with the text 'Library OneSearch' and 'Find articles, books, and more...'. To the right of the search bar are icons for 'Ask a Librarian' and communication options: 'email', 'phone', 'chat', and 'in person'.

The main content area is divided into two sections: 'Faculty & Staff Directory' and 'Library Faculty'. The 'Library Faculty' section is active, showing a profile for Beth W. Kraemer. On the left is a portrait of Beth, a woman with curly hair and glasses. To the right of the portrait, her name 'Beth W. Kraemer' is displayed in a large font, followed by her title: 'Associate Professor and Coordinator of Instruction, Kresge Library; Music, Theatre, & Dance Librarian'. Below this, her contact information is listed: 'Office: 237 Kresge', 'Phone: 248-370-4879', and 'Email: kraemer@oakland.edu'. Further down, her Google Scholar profile and Academia.edu profile are provided with their respective URLs.

On the right side of the profile, there is a call to action: 'Book a research consultation with Beth:' accompanied by a green 'book now' icon. Below the profile information, a section titled 'Services Provided:' lists the following: 'Library Instruction, Reference, Research Consultations, Librarian Liaison to the Liberal Studies and Bachelor of Integrative Studies Programs'. On the far left, a sidebar menu contains various navigation options such as 'Find', 'Research Help', 'Services', 'About', and 'Faculty & Staff'. At the bottom of the sidebar, there is a notice about library hours and social media icons for Facebook, Twitter, and RSS.


Figure 3. This sample online learning module was designed specifically for an undergraduate sociology course.

Researching @ OU Libraries






This learning module will help you gain skills and knowledge critical to your assignment in this course, and will help you succeed in completing your research assignment.

This learning module is broken up into five sections that address different stages in the research process. As you work through these sections and successfully attain the knowledge and understanding required, you'll earn badges! These badges illustrate your understanding and demonstrate your achievement. Once you've earned each of the five badges, you'll unlock a final assessment - achieve at least an 80% on this assessment, and earn the module completion badge required by your professor!


Before you begin the module's content, there are a couple of resources you'll need to check out - they address the different kinds of Moodle features used in this module and how badging works. Once you're comfortable with these resources, you can get started on the learning sections.

 [What You Need to Know Before Getting Started](#)

Learning Modules

-  [Developing Keyword Searches](#)
-  [Searching Strategies](#)
-  [Making Sense of What You Find](#)
-  [Evaluating Search Results](#)
-  [Accessing Articles, Books, and Other Research Resources](#)

Test Your Knowledge... and Earn a Completion Badge!

 [Researching @ OU Libraries - Quiz](#)

Not available unless: You get a particular score in **Accessing Articles, Books, and Other Research Resources**

Figure 4. The libraries have significant department-level integration in the university’s writing and rhetoric department.

Databases

Course Reserves

Course & Subject Guides

Tutorials

Collections

University Archives

Research Help

Services

About

30 OU Libraries are open 24 hours -
OU ID needed midnight - 7am.
Hours | Location

WRT 160 - Library Instruction Resources

Online Library Instruction Module

These tutorials are for on-campus WRT 160 classes and should be completed AFTER your library class session. Online-only sections of WRT 160, please see your professor for access to your library material.

1. Tutorial 1: Types of Information Sources and Their Uses Lesson
2. Tutorial 2: Evaluating Resources Lesson
3. Tutorial 3: Finding a specific item (aka "Known Item Searching")
4. Final Exam: Assesses your understanding of content delivered both during your face-to-face session and in the online tutorials.

[Begin Module](#)

Informational Handouts

[Library OneSearch Keyword Searching Strategies](#)

[WRT160 Topics and Keywords exercise](#)

Student Learning Outcomes for WRT 160 Library

GOAL 1:
Students will learn the importance of using an effective search strategy. At the end of the IL modules, students will be able to . . .

- apply effective keyword search skills to find results in an online database.
- identify at least two methods for finding resources related to a specific database record.
- demonstrate at least two strategies for broadening or narrowing a research topic based on search results.

Library Contact

Kresge Library
Research Help Desk
ref@oakland.edu
248.370.4426

Research Help

Research Consultation
Sign up online for an individual session with a librarian to get help with your research.

Writing Help

Writing Resources for Students
Find in-depth information about the mechanics of writing, MLA/APA citations, avoiding plagiarism, and more.

Writing Center
The consultants can help you with every stage of the writing process.

For Technical Assistance with Online Module..

Contact Katie Greer, Writing & Rhetoric Librarian, at greer@oakland.edu.

Related Links

[Fall 2014 Library Instruction Schedule](#)

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