Engineering Graduate Student Information Literacy: Are We Meeting the Need?

Lalwani, Leena; Niehof, Jamie; Grochowski, Paul

http://hdl.handle.net/2027.42/146141
Engineering graduate student information literacy: Are we meeting the need?

Leena Lalwani, Jamie Niehof, Paul Grochowski

Art, Architecture & Engineering Library, University of Michigan-Ann Arbor

Background

Engineering librarians at the University of Michigan have historically instructed engineering graduate students on topics such as conducting literature reviews, data management, and finding research funding. These sessions were in response to specific requests from students or faculty.

In fall 2017, the engineering librarians conducted a survey and focus group of engineering graduate students to gain information on whether a broader program of library instruction would better meet graduate students' needs regarding information literacy and general research topics.

Methodologies

Initial survey

Open period: Nov. 6 - 28, 2017
Method: Email sent to departmental graduate student groups.

Responses: 392 students out of 3,637 CoE grad student enrollment (10.7% response rate)
CoE graduate population is 27% of total UM grad population (CoE = 3,637 and UM = 13,415)

Focus group

Attendees: 18 grad students (2 masters, 16 PhD)
When: Early December, 2017
What: 8 formal questions, with time for discussion

Survey results not pictured

Opinions on literature reviews, knowledge of copyright, and finding the best journals for publications.

Results

Highlighted survey results.

Departmental response breakdown

Databases searched

Citation manager use

Funding

Research data

Looking forward

Results indicate graduate students will benefit from additional library instruction. Based on collaboration with administrators and departments, the engineering librarians plan to put in place a new instruction program starting in fall 2018. This will be assessed annually by a survey of graduate students, convening a graduate student advisory group, and adding library-related questions to graduate student exit interviews.