

LIS professional competency index for the higher education sector in South Africa



Metadata Management

Social Media

Scholarly Communication Teaching & Learning

Research & Publication Digital Curation

Metadata Creation

Analytical Skills Interpersonal Competencies

Library ICTs

Open Access RDM Digitisation & Preservation

Research Support

Bibliometrics & Altimetrics

e-Resources Management

Leadership

Critical Thinking

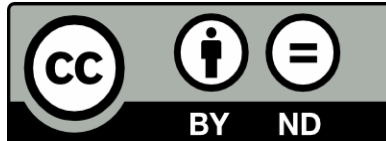
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Raju, J. 2017a. Information professional or IT professional?: knowledge and skills required by academic librarians in the digital environment. *Portal: Libraries and the Academy* (in press).

Raju, J. 2017b. To teach or not to teach?: the question of the academic librarian's pedagogical competencies in the digital age. *South African Journal of Higher Education*, 31(2): 251-269. doi: <http://dx.doi.org/10.208535/31-2-1096>.

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Pietersen, J. 2015. The shape and form of the 21st century academic library in South Africa: the case of the University of Cape Town. MLIS Dissertation. University of Cape Town. <https://open.uct.ac.za/handle/11427/13733> [2017, January 20]

Other related research:

Kim, J., Warga, E. & Moen, W.E. 2013. Competencies required for digital curation: an analysis of job advertisements. *The International Journal of Digital Curation*, 8(1): 66-83. doi: 10.2218/ijdc.v8i1.

Kwanya, T., Stilwell, C. & Underwood, P.G. 2012. A competency index for research librarians in Kenya. *African Journal of Libraries, Archives & Information Science*, 22(1): 1-18.

Research Libraries United Kingdom (RLUK). 2012. Reskilling for research: an investigation into the roles and skills of subject and liaison librarians to effectively support the evolving information needs of researchers. Available: <http://www.rluk.ac.uk/wp-content/uploads/2014/02/RLUK-Re-skilling.pdf> [2016, October 19].

Tanloet, P. & Tuamsuk, K. 2011. Core competencies for information professionals of Thai academic libraries in the next decade (A.D. 2010-2019). *The International Information & Library Review*, 43: 122-129. doi: 10.1016/j.iilr.2011.07.005.

Existing competency statements:

American Library Association (ALA). 2009. Core competencies of librarianship. Available: <http://www.ala.org/educationcareers/sites/ala.org.educationcareers/files/content/careers/corecomp/corecompetences/finalcorecompstat09.pdf> [2016, December 21].

Association of College and Research Libraries (ACRL). 2008. *Standards for proficiencies for instruction librarians and coordinators: a practical guide*. Chicago:

ACRL.

<http://www.ala.org/acrl/sites/ala.org.acrl/files/content/standards/profstandards.pdf> [2016, September 06].

Australian Library and Information Association (ALIA). 2014. The library and information sector: core knowledge, skills and attributes. Available: <https://www.alia.org.au/about-alia/policies-standards-and-guidelines/library-and-information-sector-core-knowledge-skills-and-attributes> [2016, August 05].

Calarco, P., Shearer, K., Schmidt, B. & Tate, D. 2016. Librarians' competencies profile for scholarly communication and open access. Available: https://www.coar-repositories.org/files/Competencies-for-ScholComm-and-OA_June-2016.pdf [2016, August 18].

North American Serials Interest Group (NASIG). 2015. Core competencies for print serials management. Available: http://www.nasig.org/site_page.cfm?pk_association_webpage_menu=310&pk_association_webpage=8576 [2016, August 18].

North American Serials Interest Group (NASIG). 2016. Core competencies for electronic resources librarians. Available: http://www.nasig.org/site_page.cfm?pk_association_webpage_menu=310&pk_association_webpage=7802 [2016, August 18].

WebJunction, Online Computer Library Centre (OCLC). 2014. Competency index for the library field. Available: <https://www.webjunction.org/content/dam/WebJunction/Documents/webJunction/2014-03/Competency-Index-2014.pdf> [2016, July 17].

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List of abbreviations

ACRL	Association of College and Research Libraries
AfLIA	African Library and Information Associations and Institutions
ALA	American Library Association
ALIA	Australian Library and Information Association
APIs	application programming interfaces
CC	Creative Commons
CNRI	Corporation for National Research Initiatives
DoHET	Department of Higher Education and Training
DOI	Digital Object Identifier
DST	Department of Science and Technology
EAD	Encoded Archival Description
GIS	geospatial information system
HTML	HyperText Markup Language
ICTs	information and communication technologies
IL	information literacy
IP	intellectual property
IP	Internet Protocol
ISBN	International Standard Book Number
ISSN	International Standard Serial Number
IT	information technology
LIASA	Library and Information Association of South Africa
LIS	library and information services
LMS	learning management system
LSP	library services platform
MARC	Machine-Readable Cataloguing
METS	Metadata Encoding and Transmission Standard
NASIG	North American Serials Interest Group
NRF	National Research Foundation
OAI-PMH	Open Archives Initiative - Protocol for Metadata Harvesting

OCLC	Online Computer Library Centre
OERs	open educational resources
OJS	Open Journal System
OMP	Open Monograph Press
OPAC	online public access catalogue
PCs	personal computers
PURL	persistent uniform resource locator
RDA	Resource Description and Access
RDM	research data management
SA	South Africa
SaaS	Software as a Service
UK	United Kingdom
USA	United States of America
VRA	Visual Resources Association
WMA	Windows Media Audio
XML	Extensible Markup Language
XSLT	Extensible Stylesheet Language Transformations