

<p>1. Information studies</p> <p>1.1 Theories & methodologies of IS 1.2 Statistical analysis 1.3 Information Retrieval 1.4 User studies</p> <p>2. Organization of Information</p> <p>2.1 Indexing & abstracting 2.2 Cataloging & Classification 2.3 Meta data</p> <p>3. Information & society</p> <p>3.1 Information acquisition 3.2 Continuing education 3.3 Communities</p> <p>4. The Information Market</p> <p>4.1 Publishers 4.2 Consumers 4.3 Publication media 4.4 marketing & advertising</p>	<p>5. Information Technology</p> <p>5.1 Online databases 5.2 Artificial intelligence 5.3 Hardware & software 5.4 Programming languages 5.5 Internet technologies 5.6 Data mining</p> <p>6. Information professionals & services</p> <p>6.1 Libraries & librarians 6.2 Digital libraries 6.3 OPACs 6.4 Information brokers 6.5 Professional schools 6.6 Trade publications 6.7 Professional associations</p> <p>7. Legislations</p> <p>7.1 Copyright laws 7.2 Free speech 7.3 Court decisions 7.4 Digital forensics 7.5 Law enforcement</p>
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"The seven theme areas represent my understanding of how IS encompasses different areas of scholarships, professional activities, and technologies." [21] (Haidar Moukdad.)

Dennis Nicholson

<p>Group 1</p> <p>1.1 Identification, 1.2 Behavior, 1.3 Characteristics, 1.4 Environmental context, 1.5 Use, 1.6 Management (includes description), 1.7 Impact, 1.8 Study methods (includes education, research, philosophy, information futures).</p> <p>Group 2</p> <p>2.1 Assessment and evaluation, 2.2 Control (includes storage, preservation, metadata etc), 2.3 Transmission, 2.4 Utilisation (includes information management aspects of comprehension, intake and retention by both practitioners & users, and also manipulation & processing)</p> <p>Group 3</p> <p>3.1 Tools, 3.2 Processes, 3.3 Systems, 3.4 Architectures.</p> <p>Group 4</p> <p>4.1 Every form that can be identified in the data – information – knowledge – message continuum</p> <p>Group 5</p> <p>5.1 All possible instantiations of each form - electronic data, electronic interactive, human & machine mediated, hardcopy forms etc.</p>

[22] (Dennis Nicholson)