

Web-based tutorials versus printed guides?

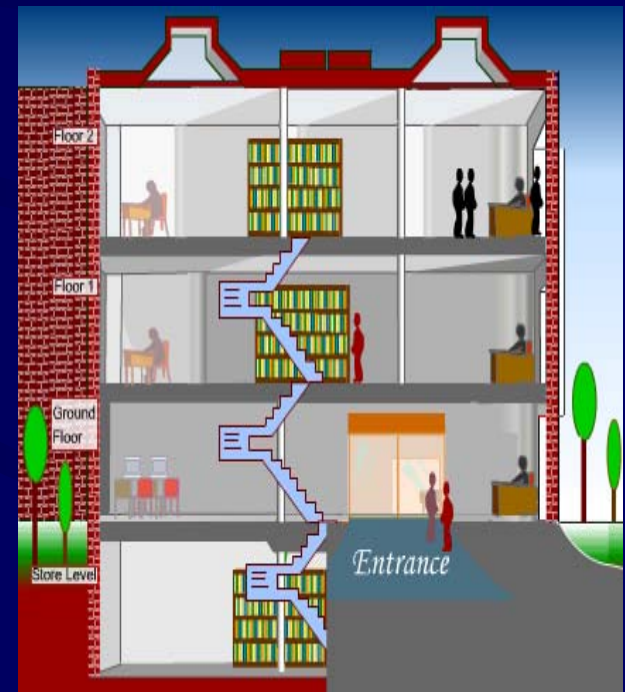
Innovations in Information Skills Provision in the University of Limerick Library

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University of Limerick

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This talk will cover...

- Initial proposal and planning
- Design and development
- E-learning
 - Criteria for successful e-learning
 - Theories and models of e-learning
 - Challenges we faced
- Evaluation
- Future
- But first...a demonstration



In the Beginning...

HEA Targeted Funding for Special Initiatives

- Access Initiatives
- €20,000 for Mature Students



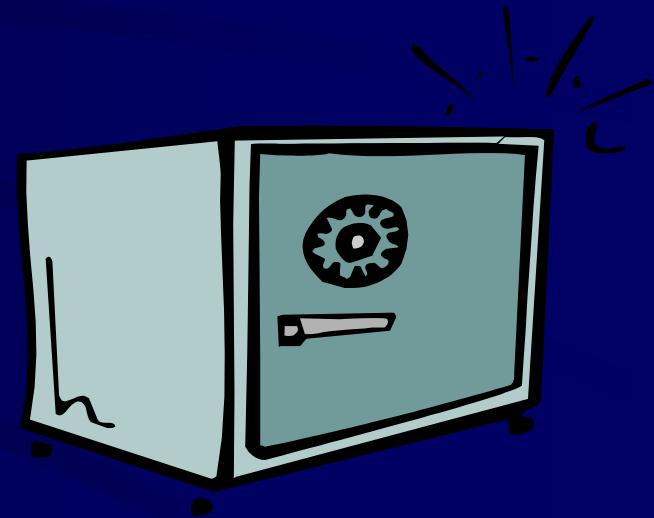
Deciding what to do...

Web based tutorials



Deciding what to do...

Web based tutorials + Printed Guide



Why E-Learning?

*“I’m always willing to learn,
but I do not always like
being taught”*

Winston Churchill



Why E-Learning?

(Lindsay, 2004)

- Self-directed, self-paced learning
- Distance, mature, part-time
- Makes IL more accessible to all
- Increasing student numbers/decreasing resources
- Supplement to classes and guides
- Reduce training costs

Project Team

Ciara McCaffrey

Micheal O'hAodha

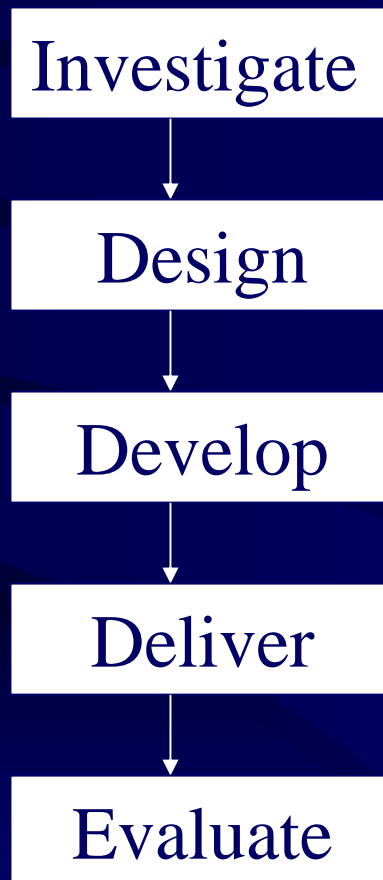
Patricia O'Donnell – Editor

Adrienne Horan, AMT Ireland



Creating an Information Literacy Programme

(ACRL, 2003)



Preliminary Research



Interviews

Preliminary Research

Interviews

Survey

Preliminary Research

Interviews

Survey

Literature Search

Preliminary Research

Interviews

Survey

Literature Search

Discussion Group

Preliminary Research

Interviews

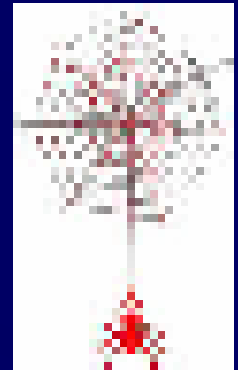
Survey

Literature Search

Discussion Group

Other tutorials &
guides

Content Design: Learning Outcomes



Printed Guide

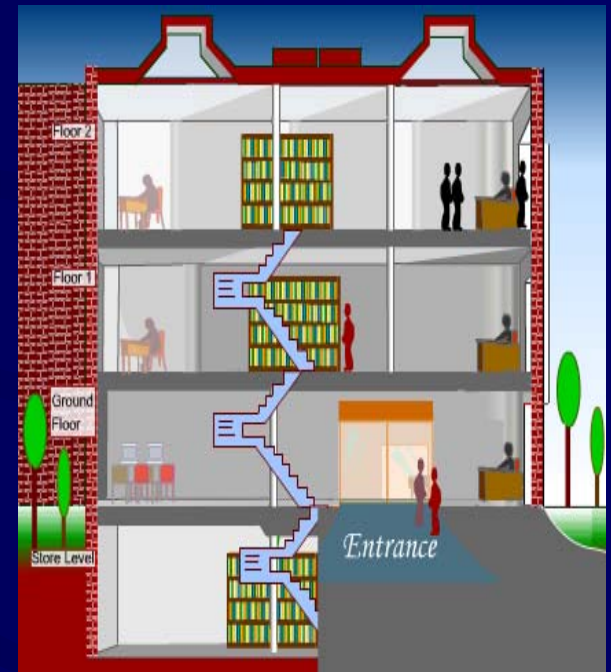
Best practice from the literature

Content and design

Production, printing and costs

Updating

The good and the bad



Quickstart Tutorials

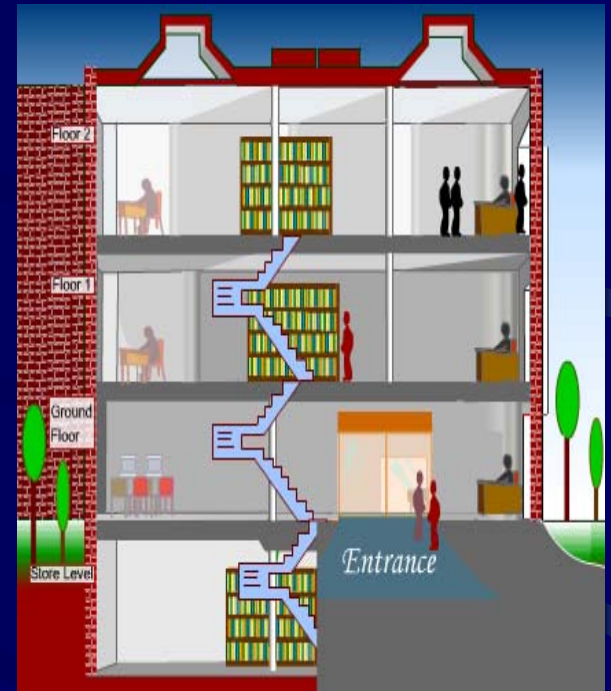
Best practice from the literature

Content and design

Production and costs

Updating

The good and the bad



Criteria for Good WBI

(Dewald, 1999; Tobin & Kesselman, 2000)

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Interface...

Interactive

Intuitive

Criteria for Good WBI

(Dewald, 1999; Tobin & Kesselman, 2000)

Interface...

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Content...

Brief, bite-sized

Criteria for Good WBI

(Dewald, 1999; Tobin & Kesselman, 2000)

Interface...
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Content...
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Graphics...
Minimum of text

Criteria for Good WBI

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Interface...
Interactive
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Content...
Brief, bite-sized

Graphics...
Minimum of text

Layout...
Modular
Timeframe
Navigation

Criteria for Good WBI

(Dewald, 1999; Tobin & Kesselman, 2000)

Interface...
Interactive
Intuitive

Content...
Brief, bite-sized

Graphics...
Minimum of text

Layout...
Modular
Timeframe
Navigation

Technically...
Fast to load,
Accessible on all
PCs

Decisions to be Made

(Donaldson, 2000)

Interactive **vs** Passive

Screen grabs **vs** Live links to resources

Stand alone block **vs** Integrated in library homepage

Inhouse **vs** Outsource

Optional **vs** Mandatory

Mechanical **vs** Conceptual

Graphics

Quiz

Flash / Opus / HTML / Toolbook / Hypercard

Learning Styles

(Allan, 2002)

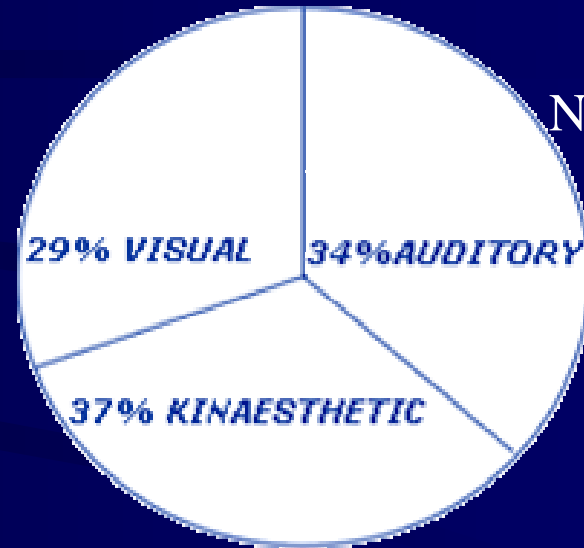
Learning Styles

(Allan, 2002)

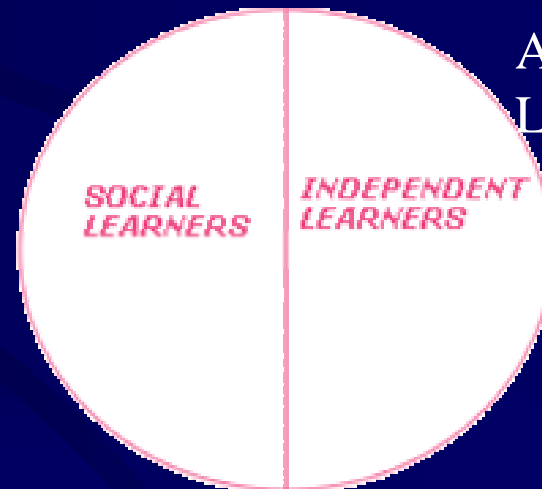
Honey & Mumford Model



NLP Model



Allan & Lewis, 2000



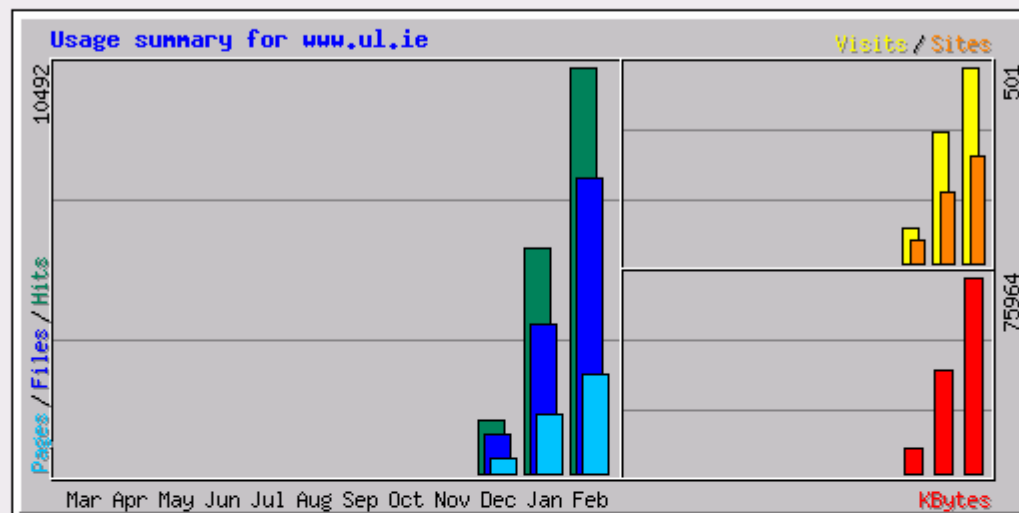
Weighing it all up...

Printed Guide **vs** Interactive Tutorials



Usage Statistics for Library Quick Start on the main UL Webserver www.ul.ie

Summary Period: Last 12 Months
 Generated 01-Mar-2005 00:27 GMT

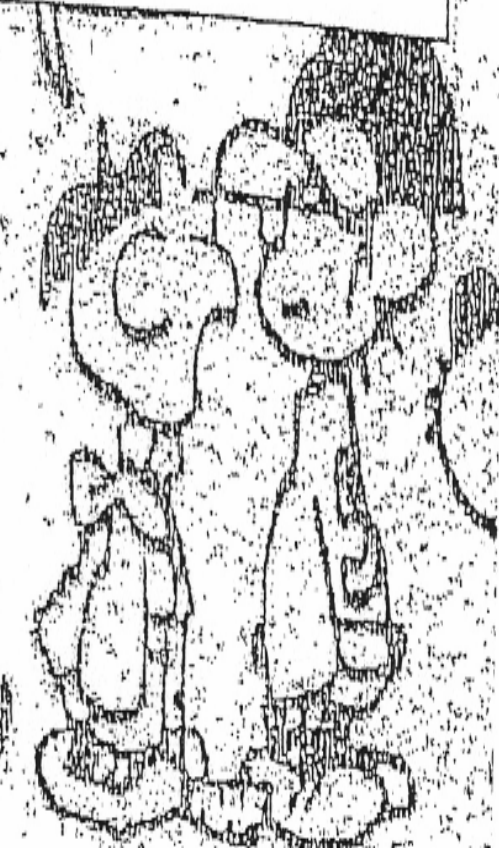
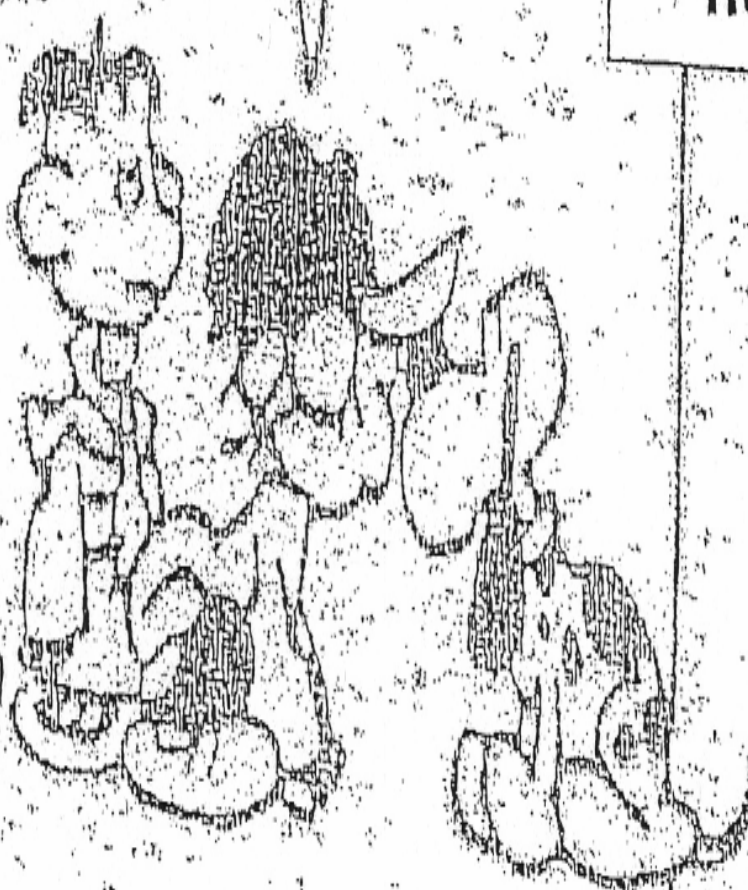


Summary by Month										
Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
Feb 2005	374	271	91	17	271	75964	501	2556	7598	10492
Jan 2005	186	124	49	10	182	39546	335	1545	3847	5789
Dec 2004	58	42	15	3	58	9930	89	376	1028	1392
Totals						125440	925	4477	12473	17673

I have taught
Snoopy
to whistle

I can't
hear him
whistle

I said that I had
taught him, not
that
/ he had learned



The Future...



References/Useful reading

Allan, B. (2002). E-learning and Teaching in Library and Information Services. London: Facet Publishing.

Bains, S. and R. Jones (2003). "Using Macromedia Flash to create online information skills materials at Edinburgh University Library." Program-Electronic Library and Information Systems **37**(4): 242-250.

Dewald, N. H. (1999). "Transporting good library instruction practices into the web environment: An analysis of online tutorials." Journal of Academic Librarianship **25**(1): 26-31.

Donaldson, K. (2000). "Library research success: designing an online tutorial to teach information literacy skills to first-year students." The Internet and Higher Education **2**(4): 237-251.

Johnson, A. and P. Sager (2000). "Too many students, too little time: creating and implementing a self-paced, interactive computer tutorial for the library's online catalog." Research Strategies **16**(4): 271-284.

Lindsay, E. B. (2004). "Distance teaching: Comparing two online information literacy courses." Journal of Academic Librarianship **30**(6): 482-487.

Orme, W. A. (2004). "A study of the residual impact of the Texas Information Literacy Tutorial on the information-seeking ability of first year college students." College & Research Libraries **65**(3): 205-215.

Roberts, G. (2003). "The Yin and Yang of integrating TILT with Blackboard." Computers in Libraries **23**(8): 10.

Tobin, T. and M. Kesselman (2000). "Evaluation of web-based library instruction programs." INSPEL **34**(2) 67-75.

Guidelines & Standards

ACRL (2003) Characteristics of Programs of Information Literacy that Illustrate Best Practice: a guideline.

<http://www.ala.org/ala/acrl/acrlstandards/characteristics.htm>

ACRL (2003) Guidelines for Instruction Programs in Academic Libraries.

<http://www.ala.org/ala/acrl/acrlstandards/guidelinesinstruction.htm>

ACRL (2000) Information Literacy Competency Standards for Higher Education.

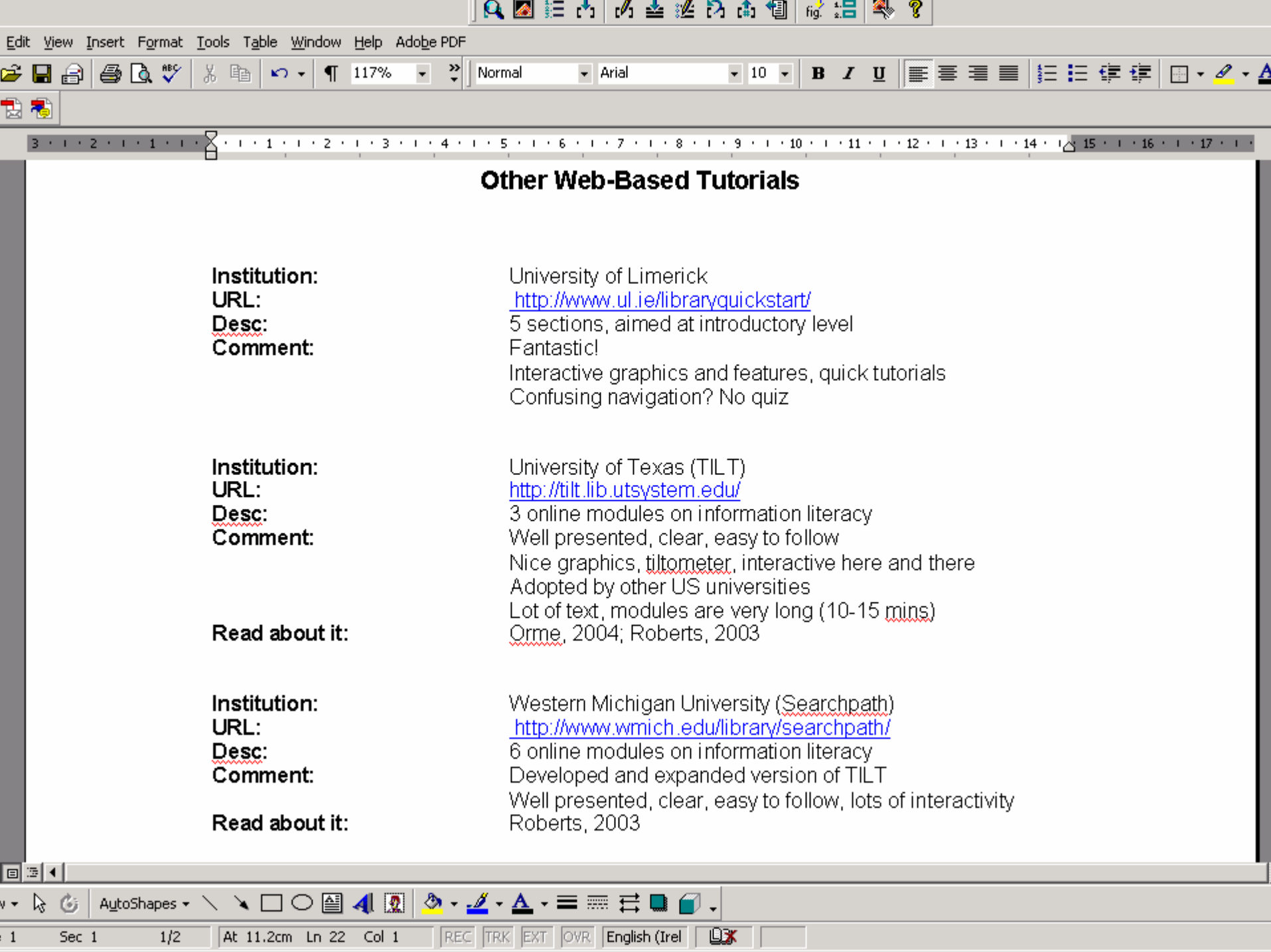
<http://www.ala.org/ala/acrl/acrlstandards/informationliteracycompetency.htm>

SCONUL (1999) Information Skills in Higher Education.

http://www.sconul.ac.uk/activities/inf_lit/papers/Seven_pillars.html

SCONUL (2004) Information Support for eLearning: principles and practice.

http://www.sconul.ac.uk/pubs_stats/pubs/pubs/info_support_elearning.pdf

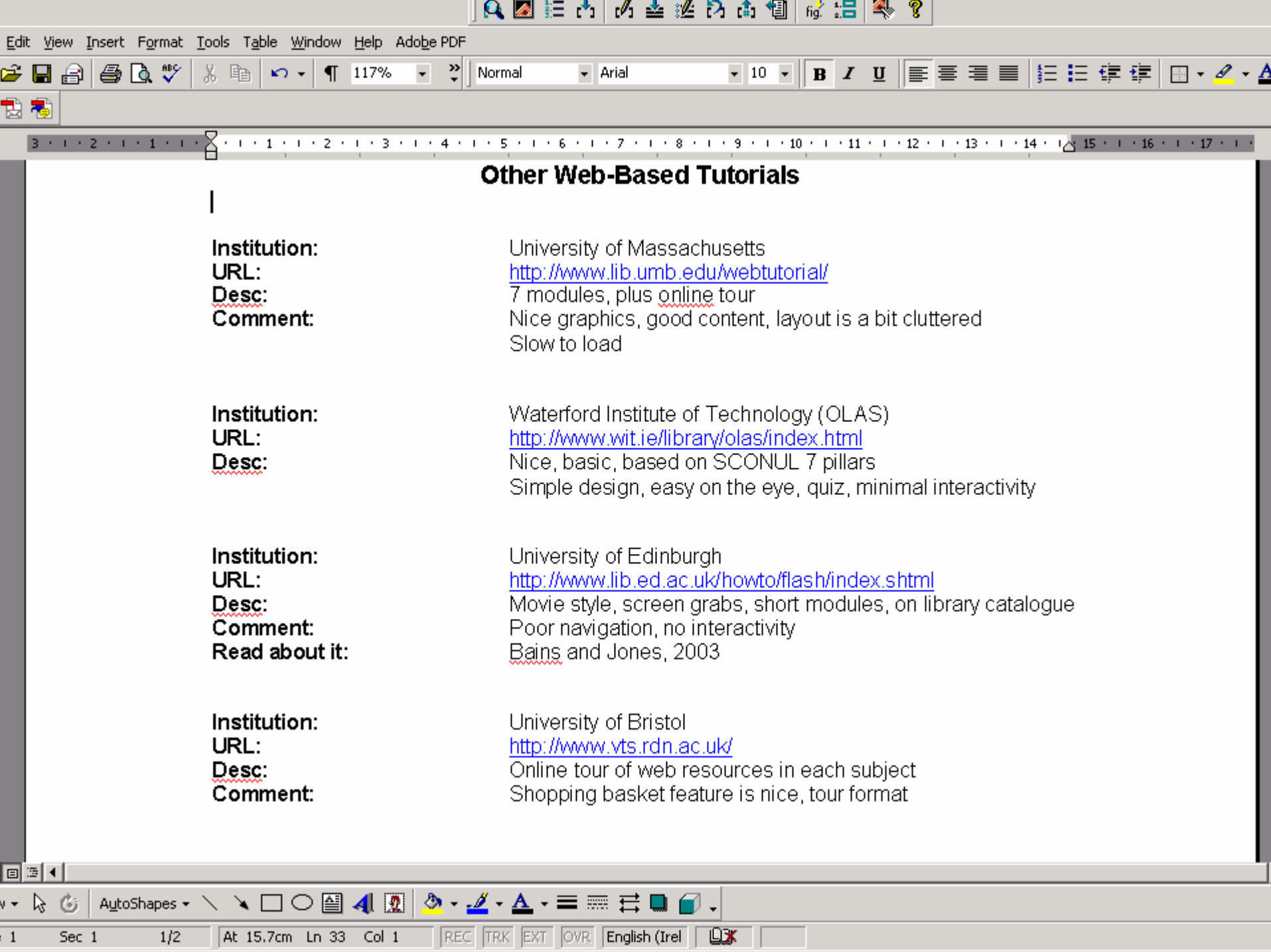


Other Web-Based Tutorials

Institution: University of Limerick
URL: <http://www.ul.ie/libraryquickstart/>
Desc: 5 sections, aimed at introductory level
Comment: Fantastic!
 Interactive graphics and features, quick tutorials
 Confusing navigation? No quiz

Institution: University of Texas (TILT)
URL: <http://tilt.lib.utsystem.edu/>
Desc: 3 online modules on information literacy
Comment: Well presented, clear, easy to follow
 Nice graphics, [tiltometer](#), interactive here and there
 Adopted by other US universities
 Lot of text, modules are very long (10-15 mins)
Read about it: [Orme, 2004](#); [Roberts, 2003](#)

Institution: Western Michigan University ([Searchpath](#))
URL: <http://www.wmich.edu/library/searchpath/>
Desc: 6 online modules on information literacy
Comment: Developed and expanded version of TILT
 Well presented, clear, easy to follow, lots of interactivity
Read about it: [Roberts, 2003](#)



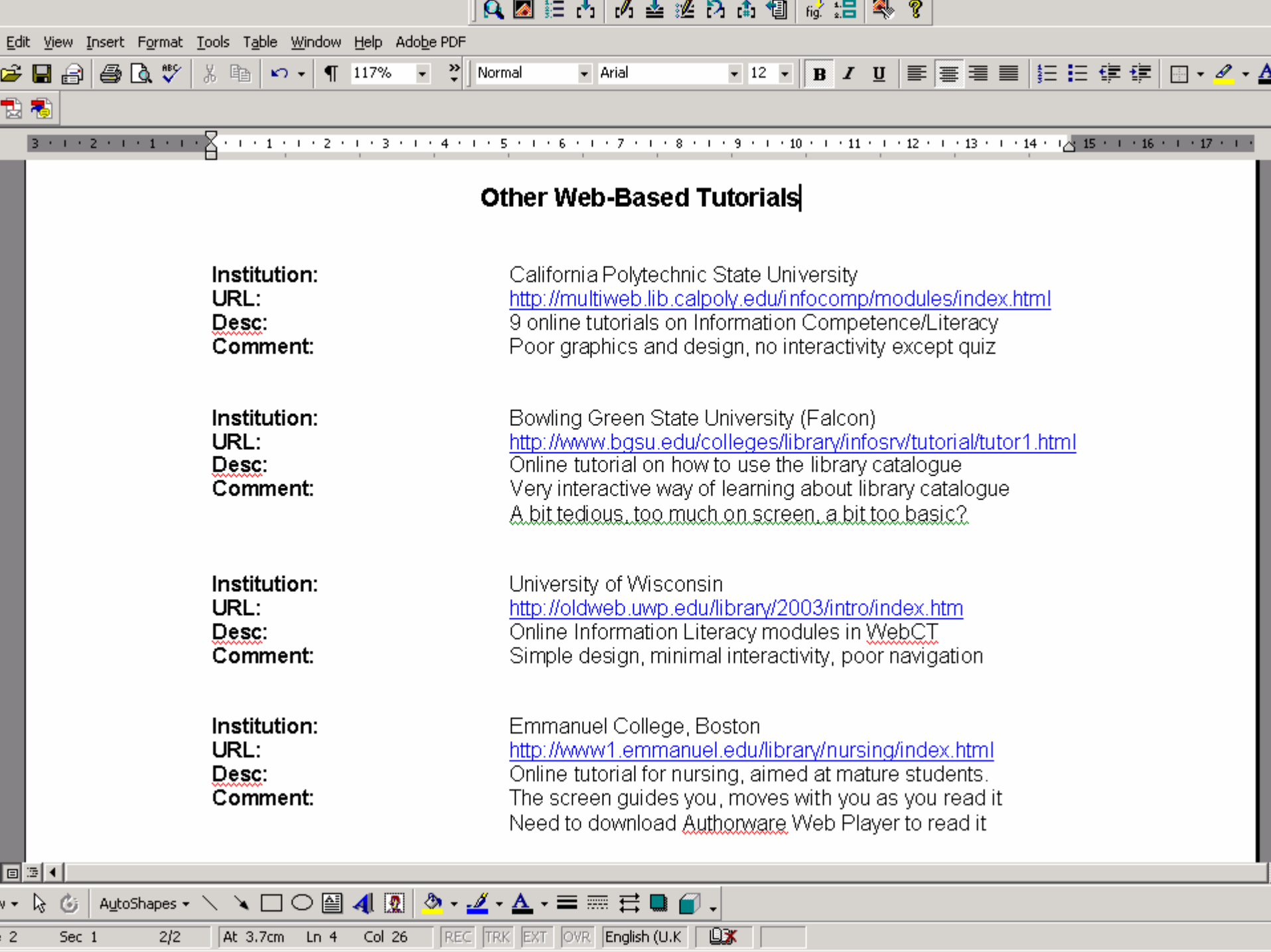
Other Web-Based Tutorials

Institution: University of Massachusetts
URL: <http://www.lib.umb.edu/webtutorial/>
Desc: 7 modules, plus online tour
Comment: Nice graphics, good content, layout is a bit cluttered
 Slow to load

Institution: Waterford Institute of Technology (OLAS)
URL: <http://www.wit.ie/library/olas/index.html>
Desc: Nice, basic, based on SCONUL 7 pillars
 Simple design, easy on the eye, quiz, minimal interactivity

Institution: University of Edinburgh
URL: <http://www.lib.ed.ac.uk/howto/flash/index.shtml>
Desc: Movie style, screen grabs, short modules, on library catalogue
Comment: Poor navigation, no interactivity
Read about it: Bains and Jones, 2003

Institution: University of Bristol
URL: <http://www.vts.rdn.ac.uk/>
Desc: Online tour of web resources in each subject
Comment: Shopping basket feature is nice, tour format



Other Web-Based Tutorials

Institution: California Polytechnic State University
URL: <http://multiweb.lib.calpoly.edu/infocomp/modules/index.html>
Desc: 9 online tutorials on Information Competence/Literacy
Comment: Poor graphics and design, no interactivity except quiz

Institution: Bowling Green State University (Falcon)
URL: <http://www.bgsu.edu/colleges/library/infosrv/tutorial/tutor1.html>
Desc: Online tutorial on how to use the library catalogue
Comment: Very interactive way of learning about library catalogue
A bit tedious, too much on screen, a bit too basic?

Institution: University of Wisconsin
URL: <http://oldweb.uwp.edu/library/2003/intro/index.htm>
Desc: Online Information Literacy modules in WebCT
Comment: Simple design, minimal interactivity, poor navigation

Institution: Emmanuel College, Boston
URL: <http://www1.emmanuel.edu/library/nursing/index.html>
Desc: Online tutorial for nursing, aimed at mature students.
Comment: The screen guides you, moves with you as you read it
Need to download Authorware Web Player to read it