City College Norwich
Lesson Plan

Course: BSc top-up (1 year)	**Unit:** Data Handling for web sites	
Day and Date: Week 3 - 10/12/09	**Time**: 18:00-21:00	**Venue**: C20

Topic: HTTP and cookies

Aims: To exploit the HTTP protocol; learn to implement persistent state data; use .

Learning Outcomes:

By end of session all learners will be able to:
- Use string manipulation to compose queries and forms from data
- Overcome the technical difficulty of composing syntactically correct SQL and HTML from data

By end of session some learners will be able to:
- Generate queries and forms methodically
- Implement some utility functions to support the generation of queries and forms

Describe how you will meet the needs of learners with differing abilities (e.g. student support workers, differentiated learning materials, dyslexia support etc.):
Practical help by lecturer.
Frequent repetition of task requirements.
Consolidation and recap of lesson at the end.
Checking student implementations. Differentiated activities.

Describe how the lesson will address the five criteria of Every Child Matters

Be Healthy:	
Stay Safe:	Observing proper H&S precautions when around room setting
Enjoy and Achieve:	
Make a positive contribution:	
Achieve Economic well-being:	

Time	Stages/Main Points/Key Words	Activity			Aids/Resources
		Tutor	Student	LSS	
18:00	Register and recap of previous lesson. Introduction.	Summary of topic. Give HTTP handout. Register.	Read HTTP handout.	AVK	HTTP handout.
18:10	Aim of HTTP.	Expose protocol.	Note, questions	AVK	ibid.
18:15	telnet test of HTTP.	Support students' work at the computers.	Implement and test the technique. Extension: browser extensions reveal HTTP.	AVK	IT equipment.
18:40	Regrouping. Explanation of the next exercise.	Discussion.	Contribute with difficulties foreseen.	AVK	Wipeboard. Handout.
18:45	Cookie exercise	Group students.	Engage in the task. Apply the method and produce a design.	AVK	IT equipment.
19:00	Form password exercise.	As above. Support students' work at the computers.			IT equipment.
19:15	Review.	Summary of difficulties encountered.	Contribute to review.	AVK	IT equipment.
19:20	Break				
19:35	Redirection exercise	Summary of purpose and implications.	Engage in the problem	AVK	IT equipment.
19:40	Redirection exercise: implement	Support students' work at the computers.	Carry out exercise	AVK	IT equipment.
19:55	Redirection exercise: review	Summary of difficulties encountered.	Contribute to discussion	AVK	IT equipment.
20:00	Cookies and security.	Summary of purpose and implications.	Engage in the problem	AVK	IT equipment.
20:05	Cookies and security -implement	Support students' work at the computers.	Carry out exercise	AVK	IT equipment.
20:25	Cookies and security - review	Summary of difficulties encountered.	Contribute to discussion	AVK	IT equipment.
20:30	Efficient implementation techniques.	Expose techniques.	Engage in the exposition	AVK	IT equipment.
20:40	Review own implementation.	Support students' work at the computers.	Carry out exercise	AVK	IT equipment.
20:55	Conclusion & summary.				

Key: LSS – Learning Styles Supported (A – Audio, V – Visual, K – Kinaesthetic)

Homework:

Post-lesson evaluation	
What learning took place?	
Which aspects of the lesson went well?	
Why was this?	
Which aspects of the lesson could be improved upon?	
What actions can I take to improve these aspects of future lessons?	