



Strathmore University

11th May 2007

Learning Management System

Dr Joseph Sevilla

eLearning

- eLearning is any learning that uses ICT
 - Computer aided instruction, use of ICT, Internet.
 - Making full use of the wide range of pedagogic opportunities provided by ICT.
 - A very wide term encompassing many different implementations.
- eLearning is not Distance Learning.
- Distance Learning, Blended Learning are examples of different types of eLearning.



Blended Learning

- A learning programme where more than one delivery mode is being used with the objective of optimising the learning outcome and the cost of program delivery.
 - At the simplest level, it combines offline and online forms of learning, where online learning usually means "over the Internet or Intranet," and offline learning happens in a more traditional classroom setting.



Delivery Platforms

- Software programmes that facilitate the delivery of knowledge are often referred to as:
 - VLE: Educational Virtual Learning Environments.
 - LMS: Learning Management Systems.
 - CMS: Course Management Systems.
- Examples:
 - Open Source: Moodle, Sakai.
 - Commercial: WebCT, Blackboard.



Delivery Types

- Delivery type falls into two broad categories:
 - Synchronous delivery (real-time)- streaming, conferencing, and archived presentations.
 - Asynchronous delivery (delayed time) through the use of LMSs, collaborative spaces, and discussion boards.



In Higher Education

- It encompasses blended learning as well as distance learning
 - ICT is used as a communications and delivery tool between individuals and groups:
 - to support students.
 - to improve the management of learning.
- Provides accessibility irrespective of time, space, lecturer availability.
- More learner based, student focused and flexible system.
- Make the learning experience more effective and enjoyable.



In Higher Education

- Cross-sector multi-disciplinary approach; technology based but not an exclusive field of the ICT experts.
 - From being technology led ...
 - To become focused in pedagogy to support diversity and flexibility in content delivery.
- ICT is the vehicle not a product.



In Higher Education

- Be more effective in delivering knowledge:
 - Every learner learns at his/her own pace.
 - Every learner learns at his/her own time.
 - Every learner learns at his/her own location.
- Achieve greater learner participation:
 - eLearning provides a higher level of motivation.
- Proven method that improves learning, performance and grades.
 - Research results consistently demonstrate superior benefits of eLearning.



What is Offered

- Students are able to:
 - access information, resources, tutor support, expertise and guidance.
 - communicate with other students effectively wherever they are.
 - check and monitor their own progress and achievements to enable personal and professional development.



What is Offered

- Teachers are provided with:
 - tools for course design to enable better communication between them and their students, giving feedback and targeted support.
 - access to information about the materials available, and support for continuous improvement.



Moodle

- Open Source eLearning Platform:
(www.moodle.org)
 - Over 233,368 registered users (2006: 150,000; 2005: 75,000).
 - Over 25,160 registered sites (2006: 17,600; 2005: 1,150).
 - Over 75 languages (2005: 70).
 - Over 175 countries (2006: 2006; 2005: 138).



Moodle

- Other stats:
 - Courses: 1,020,786
 - Users: 10,355,750
 - Teachers: 1,543,874
 - Enrolments: 15,180,470
 - Forum Posts: 11,293,492
 - Resources: 6,558,814
 - Quiz questions: 8,077,715



Moodle

- There are 47 sites with more than 20,000 users.
- The site with the most users is moodle.org with 43 courses and 233,368 users.
- The site with the most courses is [E-learning na VUT v Brně](#) with 19,223 courses and 41,305 users.



Moodle

- **Static Content:**
 - Course Syllabi/Outline.
 - Manuals, books on line.
 - Course notes, examples, assignments.
 - Additional teaching materials including multimedia.
 - Exam guidelines, past papers, etc.
 - Internet links to relevant resources.
 - Glossaries.



Moodle

- **Dynamic Content:**
 - Virtual one to one lecturer supervision.
 - Journal, notice-boards/announcements.
 - Student to student interaction:
 - Chat, forums and discussion groups.
 - Group projects.
 - Wikis and Blogs.
 - Tools to monitor progress:
 - Assignments, self-assessment quizzes.
 - On-line examinations, automatic grading.
 - Surveys.





You are logged in as Joseph Sevilla (Logout)

English (en)

Site Administration

- Notifications
- Users
- Courses
- Location
- Language
- Modules
- Security
- Appearance
- Server
- Reports
- Miscellaneous

 Search

Main Menu

- Site news
- Strathmore University Website
- Strathmore Library
- Strathmore Business School
- Strathmore News
- Strathmore Events

Course categories

- General
- BBIT
- BCom
- MCOM
- MScIT
- MBA (SBS)

- Announcements for Lecturers
- Library News
- FIT News
- General Information on Scholarships (Intranet Link)
- Research
- MIT OpenCourseWare**
- MIT OpenCourseWare Mirror Site at Strathmore

Course categories

General

- Information for Lecturers
- Scholarship Sources
- SU Participant Centered Learning

BBIT

- BBT 1101 Introduction to Computer Systems
- BBT 2301 Systems Analysis and Design
- BBT 1102 Introduction to Computer Programming (EC - 2006-2007)
- BBT 1201 Introduction to Computer Programming
- BBT 1203 Computer Organization
- BBT 1203: Computer Organization - Semester 2 2006/2007
- BBT 2101 Object Oriented Programming Concepts
- BBT 2101 Object-Oriented Programming I (EC - 2006-2007)
- BBT 2102 Object Oriented Programming II
- BBT 2102 Object-Oriented Programming II (EC - 2006-2007)
- BBT 2201 Data Structures and Algorithms
- BBT 3101 Application Programming for the Internet - EC 2007
- BBT 3102 Object Oriented Analysis and Design (FT 2006-2007)
- BBT 3111 Computer Programming (EC 2006)

Turn editing on

Strathmore University eLearning System

Calendar

May 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Upcoming Events

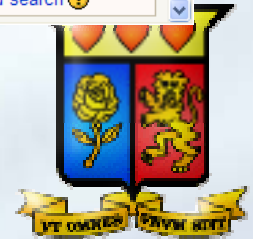
There are no upcoming events

Go to calendar...
New Event...

Online Users

- (last 10 minutes)
- Joseph Sevilla
 - Muendo D Katiku
 - Guest User

Search Forums

 Go
Advanced search ?


People

- Participants

Activities

- Assignments
- Forums
- Resources

Search Forums

Go

Advanced search ?

Administration

- Turn editing on
- Settings
- Assign roles
- Groups
- Backup
- Restore
- Import
- Reset
- Reports
- Questions
- Scales
- Files
- Grades
- Unenrol me from OOP 2

Course categories

Weekly outline

- News forum
- Notes from Foundation Courses
 - C++ Class Notes 0
 - Class Notes 1 OOP 1
 - Class Notes 2 OOP 1
- Useful Books 😊
 - Basic Books
 - Intermediate Books
 - Advanced Books
 - My C++ Library (***) This page is only be accessible within the University (***)

Free Compilers

- Dev C++ Compiler

Final Project and Marking Guidelines

- Marking Scheme
- Project Submission (Updated)

*****Deadlines for Final Submissions*** (Please note the changes)**

Hard copies (Deliverables 1.1.1 and 1.1.2) by **Monday, 3rd April 2006** to Ms Rose Wahome.
 Soft copies (Deliverables 1.1.3 and 1.1.4) by **Saturday, 1st April 2006** via this website. Use the assignment link below for this submission.

Supplementary Examinations

Students should re-submit the same deliverables as requested for the final submission.

*****Deadlines for Submission*****

Hard copies (Deliverables 1.1.1 and 1.1.2) by **Friday, 23rd June 2006** to Ms Rose Wahome.
 Soft copies (Deliverables 1.1.3 and 1.1.4) by **Friday, 23rd June 2006** via this website. Use the assignment link below for this submission.

- Supplementary Exams Submission
- Teacher forum

14 November - 20 November

- Employees Class v 1
- Homework 1

21 November - 27 November

- Input Output

Upcoming Events

There are no upcoming events

Go to calendar...
New Event...

Calendar

May 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- Global events
- Course events
- Group events
- User events

Activities

- Assignments
- Forums
- Resources

Blog Menu

- Add a new entry
- View my entries
- Blog preferences
- View course entries
- View site entries
- Add/delete tags ...



- BBIT
- BCom
- MCOM
- MScIT
- MBA (SBS)
- PGDEM
- DipBIT
- IHEDS
- ACCA
- CPA
- DLM
- Miscellaneous
- DEM
- YDP
- MSCIS
- [Search courses...](#)
- [All courses...](#)

Assignment 1 Company Programs v1	
5 December - 11 December Company Programs v2 Assignment 2 -- Company Class Implementation	<input type="checkbox"/>
12 December - 18 December Answer to Assignment 2 (Read the explanation...) Assignment 2 - Code for DevC ++ (Read notes...) Company - Implemented as pointer to array of pointers	<input type="checkbox"/>
19 December - 25 December	<input type="checkbox"/>
26 December - 1 January	<input type="checkbox"/>
2 January - 8 January	<input type="checkbox"/>
9 January - 15 January Answers to CAT 1	<input type="checkbox"/>
16 January - 22 January Project Proposal	<input type="checkbox"/>
23 January - 29 January	<input type="checkbox"/>
30 January - 5 February	<input type="checkbox"/>
6 February - 12 February SQL Exercises SQL Exercises (Non Compulsory Assignment) Company Database Please do not submit a database 😡. I only need a text/Word file with the SQL statements 😊. Thanks.	<input type="checkbox"/>
13 February - 19 February Suggested Answers to SQL exercises Company database with sample SQL queries Sample Company Implementation (v 1.1) (Program Source Files) Installation Instructions for the 'Sample Company Implementation' Building a Database Application Using ADO	<input type="checkbox"/>
20 February - 26 February	<input type="checkbox"/>
27 February - 5 March ComboBox Sample code	<input type="checkbox"/>

[Add a new topic...](#)

1 Apr, 13:40
MILLICENT MICERE MUIGAI
ERROR!!!! [more...](#)

30 Mar, 11:14
MILLICENT MICERE MUIGAI
compiler error [more...](#)

30 Mar, 10:55
Irvin Anthony Homem
OpenGL moving around in 3D & SetFocus() [more...](#)

29 Mar, 11:48
Angela Mwikali Ngava
big problem..HELP [more...](#)

17 Mar, 17:31
Elizabeth Gitau
Connecting Forms [more...](#)

[Older topics ...](#)

People

[Participants](#)

Latest News

[Add a new topic...](#)

1 Apr, 13:40
MILLICENT MICERE MUIGAI
ERROR!!!! [more...](#)

30 Mar, 11:14
MILLICENT MICERE MUIGAI
compiler error [more...](#)

30 Mar, 10:55
Irvin Anthony Homem
OpenGL moving around



General news and announcements

Unread posts are being tracked

Add a new topic

Discussion	Started by	Replies	Unread ✓	Last post
ERROR!!!!	 MILLICENT MICERE MUIGAI	1	0	Lucas Ngowi Sat, 1 Apr 2006, 02:11 PM
compiler error	 MILLICENT MICERE MUIGAI	2	0	MILLICENT MICERE MUIGAI Fri, 31 Mar 2006, 09:24 AM
Direct database Access code for ODBC	 GEORGE NYANUGA OMBESE	2	0	Joseph Sevilla Thu, 30 Mar 2006, 07:31 PM
c++ components/libraries	 Kelvin Rombe	4	0	Joseph Sevilla Thu, 30 Mar 2006, 07:30 PM
Connecting Forms	 Elizabeth Gitau	1	0	MUBIA KAREMERI OBED Thu, 30 Mar 2006, 03:41 PM
OpenGL moving around in 3D & SetFocus()	 Irvin Anthony Homem	0	0	Irvin Anthony Homem Thu, 30 Mar 2006, 10:55 AM
Graphics in C++	 Irvin Anthony Homem	21	0	MUBIA KAREMERI OBED Wed, 29 Mar 2006, 05:07 PM
big problem..HELP	 Angela Mwikali Ngava	0	0	Angela Mwikali Ngava Wed, 29 Mar 2006, 11:48 AM
Thin Clients: Disaster to BBIT Students	 EUNICE M MAINGI	2	0	Joseph Sevilla Fri, 17 Mar 2006, 12:01 PM
International Competition for African students	 Joseph Sevilla	3	0	TIMOTHY KIBET KIPCHUMBA Tue, 7 Mar 2006, 08:49 AM
Dealing with Combo box	 GEORGE NYANUGA OMBESE	4	0	TIMOTHY KIBET KIPCHUMBA Sat, 4 Mar 2006, 10:46 AM
HELP TIMERS	 LYNNETTE AWOUR OGOLA	1	0	MILLICENT MICERE MUIGAI Thu, 2 Mar 2006, 03:15 PM
APPEAL FOR PROJECT SUBMISSION	 ROBINSON GAKUO NJAU	6	0	Irvin Anthony Homem Thu, 2 Mar 2006, 09:10 AM
one book	 TIMOTHY KIBET KIPCHUMBA	0	0	TIMOTHY KIBET KIPCHUMBA Wed, 1 Mar 2006, 04:13 PM
Space in the servers	 Joseph Sevilla	6	0	Joseph Sevilla Mon, 27 Feb 2006, 08:10 AM
Help please!	 ROBINSON GAKUO NJAU	4	0	Irvin Anthony Homem Sun, 26 Feb 2006, 10:36 PM
More help please!!!!	 ROBINSON GAKUO NJAU	0	0	ROBINSON GAKUO NJAU Thu, 23 Feb 2006, 07:02 PM



Top 10 Benefits of eLearning

1. Cost savings
2. Anytime
3. Anywhere
4. Scalable
5. Tracks users
6. Self-paced
7. Participative
8. Consistency
9. Multimedia delivery
10. Self assessment



Top 10 Cost Savings in eLearning

- Trainer accommodation
- Trainer travel
- Trainer subsistence
- Learner accommodation
- Learner travel & subsistence
- Classrooms
- Equipment
- Off-the-job time
- Print costs



■ All of the above repeat costs