Waste Management Training System
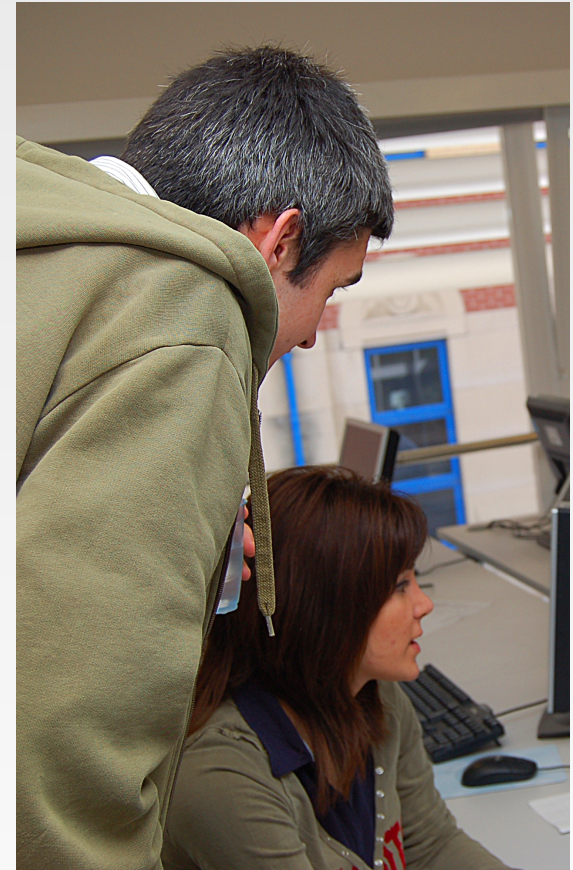
17/09/2008

James Almond
epiGenesys Ltd

james@epigenesys.co.uk

epiGenesys Ltd
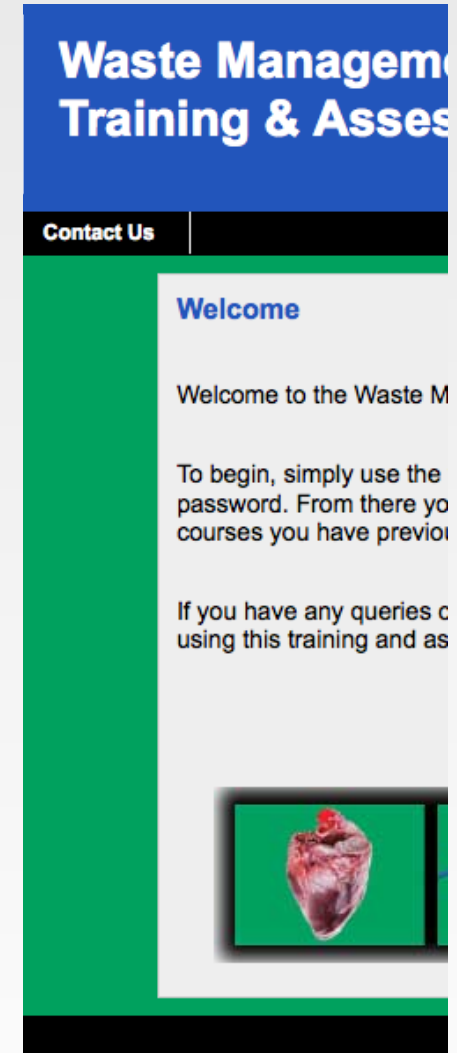a University of Sheffield company

epiGenesys Ltd

- University owned company

- Based in the Enterprise Zone

- Employing some of the best graduates from the Department of Computer Science
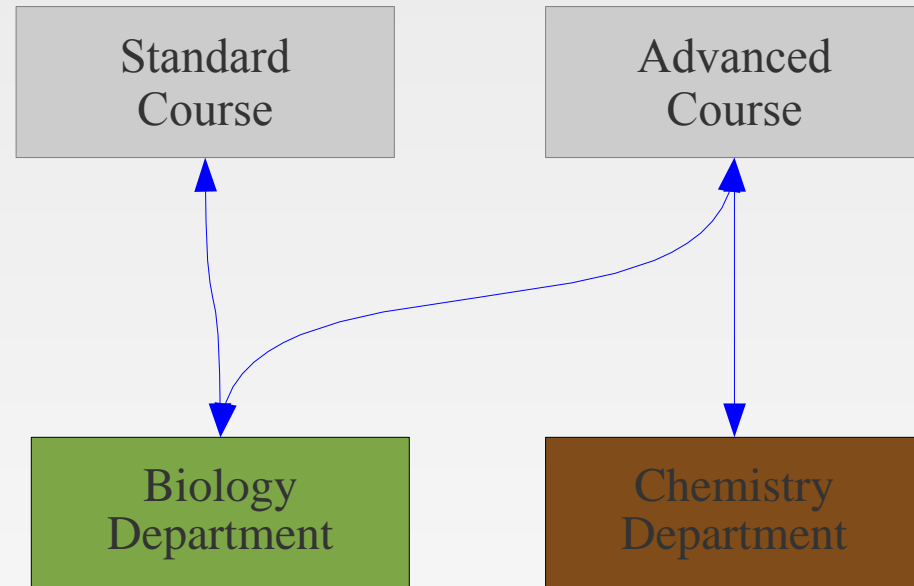

epiGenesys Ltd
a University of Sheffield company

Our Training System

- WASTE is a complete and f exible online training environment for the disposal of biological and associated waste.

epiGenesys Ltd
a University of Sheffield company

System Concepts

- Departments

- Courses

The Training Content

- Written by the University of Sheff eld Environment Team with both standard and advanced courses.

The Assessment Process

Assessment

Please answer each question and click 'Submit' to continue to the next.

1. What information needs to be written on the labels when waste containers are sealed?

Tick all those that you think apply.

☐ The source of the waste (i.e the department and laboratory) that the waste came from

☐ The name of the contractor collecting the waste

☐ Details of the exact contents of the container

Submit

epiGenesys Ltd
a University of Sheffield company

Question Types: Multiple Choice

- User ticks all they believe apply

1. What information needs to be written on the labels when waste containers are sealed?

Tick all those that you think apply.

- ☐ The source of the waste (i.e the department and laboratory) that the waste came from
- ☐ The name of the contractor collecting the waste
- ☐ Details of the exact contents of the container

epiGenesys Ltd
a University of Sheffield company

Question Types: Fixed Choice

- User can only select one answer

5. What type of waste is being described below?

This waste may contain body parts, other recognisable anatomical items or animal carcasses.

- ⊙ Infectious waste
- ○ GM waste
- ○ Anatomical waste
- ○ Offensive waste

epiGenesys Ltd
a University of Sheffield company

Adding Questions

- Questions can be added as needed

Add Question

Use the form below to add questions to the system. Note: A question must have at least two possible answers, * denotes a required field.

*Question:

*Answer 1:

Correct? ☐

*Answer 2:

Correct? ☐

Answer 3:

epiGenesys Ltd
a University of Sheffield company

Question groups

- Question Groups

- Specify number of questions to be asked

- Per-course basis

Name	Questions To Ask
Definitions	1
General	2
Routes	2
Sharps	2
Streams	3

epiGenesys Ltd
a University of Sheffield company

Assessment Feedback

- Displays questions answered incorrectly on unsuccessful attempt

Assessment Failed

Sorry, you have not achieved the required score to pass the assessment.

Your score was 2 out of 10

You must score 8 out of 10 to pass this course.

You answered the following questions incorrectly:

General

What is the disposal route for waste that is both infectious and category 1 or 2 GM waste?

When should bins, boxes and bags be sealed and replaced?

Sharps

Assessment Success

- On success user is presented with a printable record and is emailed conf rmation

The University Of Sheffield.

Waste Management System

THIS IS TO CERTIFY THAT

J Almond

HAS PASSED THE FOLLOWING TRAINING:

Biological and Associated Waste Standard Course

WITH A SCORE OF 8 OUT OF 10

16th September 2008

epiGenesys Ltd
a University of Sheffield company

Reporting Features: Full Report

- Shows all user attempts at completing the assessment

Date	Username	Name	Email	Department	Correct	Result
16/09/2008	ac4ja	J Almond	**AC4JA@sheffield.ac.uk**	Bioincubator	8	Pass
16/09/2008	ac4ja	J Almond	**AC4JA@sheffield.ac.uk**	Bioincubator	2	Fail
15/09/2008	ac4ja	J Almond	**AC4JA@sheffield.ac.uk**	Bioincubator	4	Fail
15/09/2008	ac4ja	J Almond	**AC4JA@sheffield.ac.uk**	Bioincubator	0	Fail
05/08/2008	ac4an	A Nettleship	**A.Nettleship@sheffield.ac.uk**	Department of Chemistry	5	Fail
04/08/2008	ac4jr	J Rowe	**ac4jr@sheffield.ac.uk**	School of Medicine and Biomedical Sciences	2	Fail

epiGenesys Ltd
a University of Sheffield company

Reporting Features: Summarised Report

- Shows all the users for a particular course and their current status

Date	Username	Name	Email	Department	Correct	Result	Status
16/09/2008	ac4ja	J Almond	AC4JA@sheffield.ac.uk	Bioincubator	8	Pass	Valid until 16/09/2011
05/08/2008	ac4an	A Nettleship	A.Nettleship@sheffield.ac.uk	Department of Chemistry	5	Fail	Renewal Due
04/08/2008	ac4jr	J Rowe	ac4jr@sheffield.ac.uk	School of Medicine and Biomedical Sciences	2	Fail	Renewal Due
24/07/2008	mta05fet	F E Thompson	mta05fet@sheffield.ac.uk	Department of	8	Pass	Valid until

epiGenesys Ltd
a University of Sheffield company

User Levels: Supervisor

- Oversees participation on a departmental basis

- Can view Full and Summarised reports for their department

epiGenesys Ltd
a University of Sheffield company

User Levels: Manager

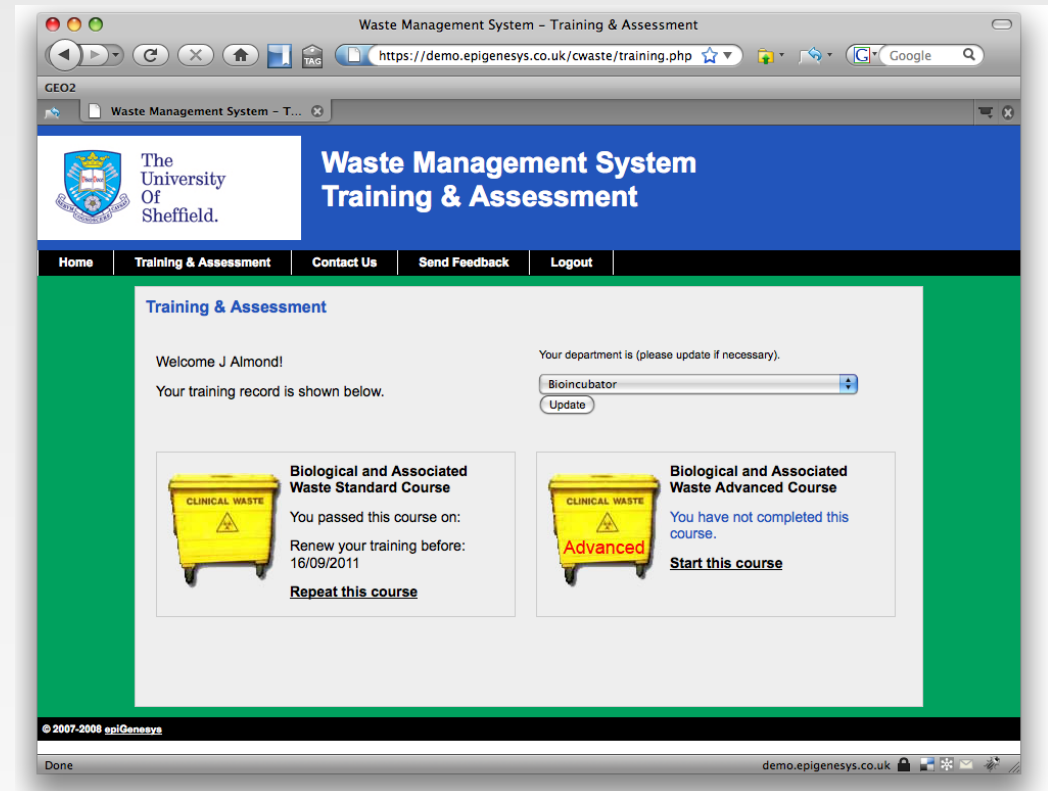- A manager is responsible for administrating a course

    – Questions and question groups

    – Departmental links

- Can administrate

    – Supervisors

    – Managers

- Managers can also view training reports for all courses

epiGenesys Ltd
a University of Sheffield company

User Levels: Administrator

- Has full access and privileges on the system

epiGenesys Ltd
a University of Sheffield company

Benefits: Browser Based

- Accessible from all computers with a modern web browser

- Also accessible off campus

- Tested on IE, Firefox and Safari

Benefits: Network Integration

- Allows integration with your organisation's network to ensure all the user information is correct

- Adding users is simply a case of knowing their username

- Familiar login details for users

epiGenesys Ltd
a University of Sheffield company

Benefits: Flexible Assessments

- Ability to include extra questions

- Can prioritise certain question types to appear more frequently on different courses

- Randomisation of questions makes it unlikely that a user will receive identical assessments

Benefits: Training Record

- Keeps track of a user's training record for the life of the system

- Maintains a full assessment history

    - Can keep track of users that are persistently failing

- Users have access to their own training status

Biological and Associated Waste Standard Course

You passed this course on: 16/09/2008

Renew your training before: 16/09/2011

Repeat this course

Biological and Associated Waste Advanced Course

You have not completed this course.

Start this course

epiGenesys Ltd
a University of Sheffield company

Benefits: Central System

- Training can be managed on a course or department level

- Data stays in a central location

- Easy to access, manage, secure and backup

epiGenesys Ltd
a University of Sheffield company

Benefits: Increased Waste Disposal Awareness

- The content of the system is readily available for users

- Content can be browsed after completing the assessment

- The University of Sheff eld saw a reduction in the cost of waste disposal after our training system was trialled

epiGenesys Ltd
a University of Sheffield company

Waste Management Training System

Demonstration

Chris Murray

epiGenesys Ltd

chris@epigenesys.co.uk

epiGenesys Ltd
a University of Sheffield company

Pricing: £900

- One year licence

- Unlimited users and assessments

- Includes standard and advanced courses with medical school variations

- Basic Conf guration

epiGenesys Ltd
a University of Sheffield company

Pricing options:

- Custom Installation

- System Modif cations

- Support and Maintenance

epiGenesys Ltd
a University of Sheffield company

Contact Us

- 0114 222 1887

- james@epigenesys.co.uk

- chris@epigenesys.co.uk

- www.epigenesys.co.uk

epiGenesys Ltd
a University of Sheffield company