

Health Research Methods

Dr Mona Kanaan and Dr Elena Ratschen
Module Leaders



Our contact details

- **Mona Kanaan (AutumnTerm) – stats queries**
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- **Elena Ratschen (Spring Term) – methods queries**
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 - Tel. 01904 321678

Monday 1-3pm best time or use the blog – on the VLE under Module Materials Q & A

About the Module

AIMS:

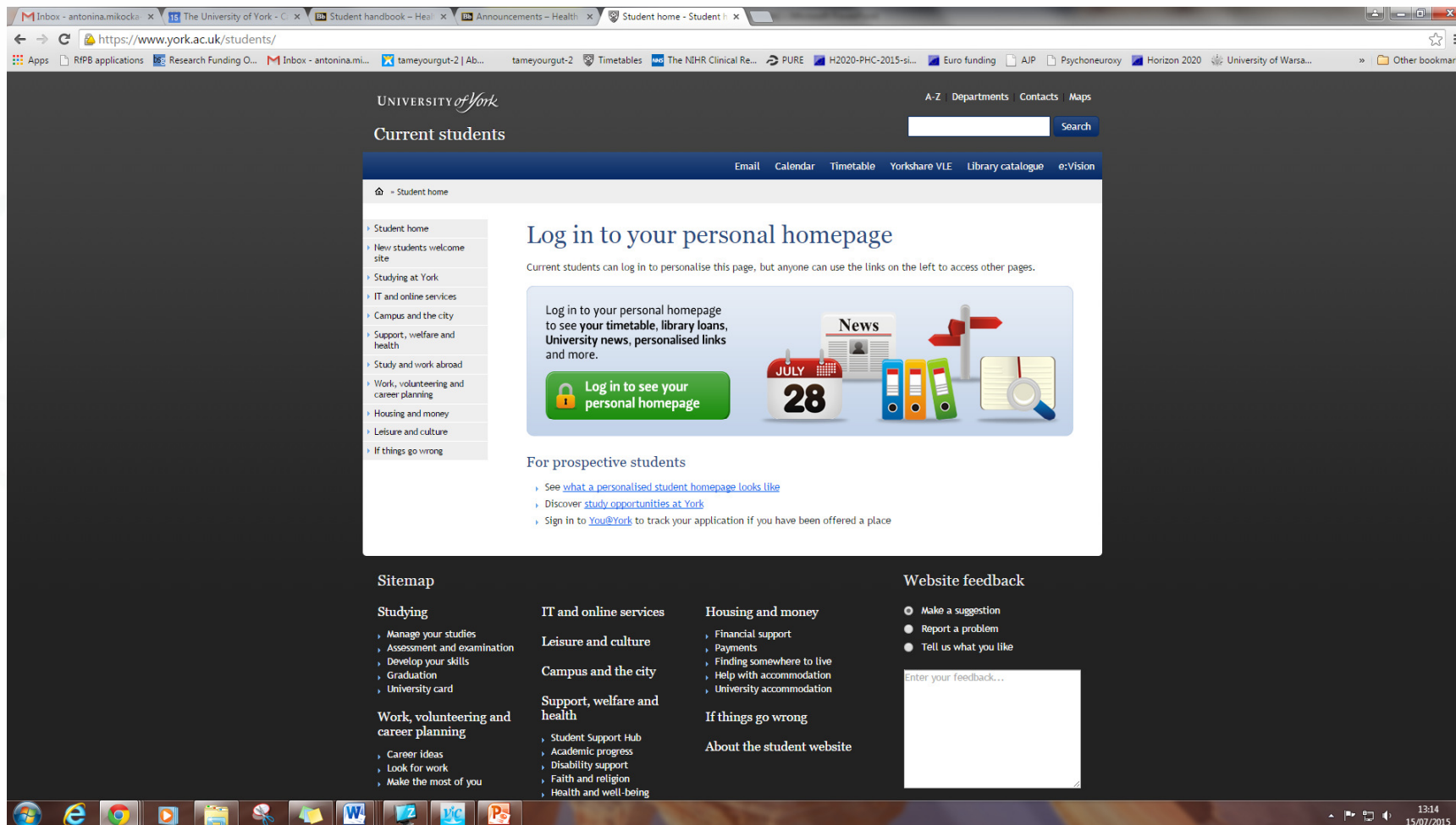
- To provide a foundation for students who are expected to engage with either research findings or the research process.
- To introduce (and place in context) knowledge that will be developed in other modules.

Aims continued

- To give students the knowledge and skills to finish the module having learned enough about research methods to be able to understand research findings and develop a research question, search the literature, undertake basic critical appraisal, plan an appropriate methodological approach, select appropriate methods of data collection, and outline a broad approach to analysing data.

Module Structure

| Session | Session title | Lecturer |
|-----------------------------|---|--|
| 19 th Sept. 2016 | Introduction | Dr Mona Kanaan |
| | Autumn Term | |
| 1 | Collecting data and questionnaire design | Dr Mona Kanaan |
| 2 | Summary statistics | Dr Mona Kanaan |
| 3 | More on summary statistics | Dr Mona Kanaan |
| 4 | Comparing means of two samples independent/dependent using the t-test | Dr Mona Kanaan |
| 5 | Cross-tabulations of two categorical variables | Dr Mona Kanaan |
| 6 | Scatter diagrams and correlation coefficient | Dr Mona Kanaan |
| 7 | Making Sense of statistics I | Dr Mona Kanaan |
| 8 | Making Sense of statistics II | Dr Mona Kanaan |
| | Christmas Break | |
| | Spring Term | |
| 9 | Thinking like a health scientist | Prof. Carl Thompson |
| 10 | Identifying the best research design to fit the research question | Dr Antonina Mikocka-Walus |
| 11 | Searching for information and information handling | Mr David Brown |
| 12 | Interventions | Dr Puvan Tharmanathan |
| 13 | Observational research designs | Dr Lorna Fraser |
| 14 | Systematic reviews | Dr Catriona McDaid and Dr Amanda Perry |
| 15 | Qualitative approaches to research, data and analysis | Dr Paul Galdas |
| 16 | Ethics in health research | Dr Steve Holland |
| 17 | Communicating your research | Prof. Carl Thompson |
| | EXAM | |



UNIVERSITY of York
 Current students

A-Z | Departments | Contacts | Maps

Search

Email | Calendar | Timetable | Yorkshare VLE | Library catalogue | e:Vision

Student home

Student home
 New students welcome site
 Studying at York
 IT and online services
 Campus and the city
 Support, welfare and health
 Study and work abroad
 Work, volunteering and career planning
 Housing and money
 Leisure and culture
 If things go wrong

Log in to your personal homepage

Current students can log in to personalise this page, but anyone can use the links on the left to access other pages.

Log in to your personal homepage to see your timetable, library loans, University news, personalised links and more.

Log in to see your personal homepage

JULY 28

News

For prospective students

- See [what a personalised student homepage looks like](#)
- Discover [study opportunities at York](#)
- Sign in to [You@York](#) to track your application if you have been offered a place

Sitemap

Studying

- Manage your studies
- Assessment and examination
- Develop your skills
- Graduation
- University card

Work, volunteering and career planning

- Career ideas
- Look for work
- Make the most of you

IT and online services

Leisure and culture

Campus and the city

Support, welfare and health

- Student Support Hub
- Academic progress
- Disability support
- Faith and religion
- Health and well-being

Housing and money

- Financial support
- Payments
- Finding somewhere to live
- Help with accommodation
- University accommodation

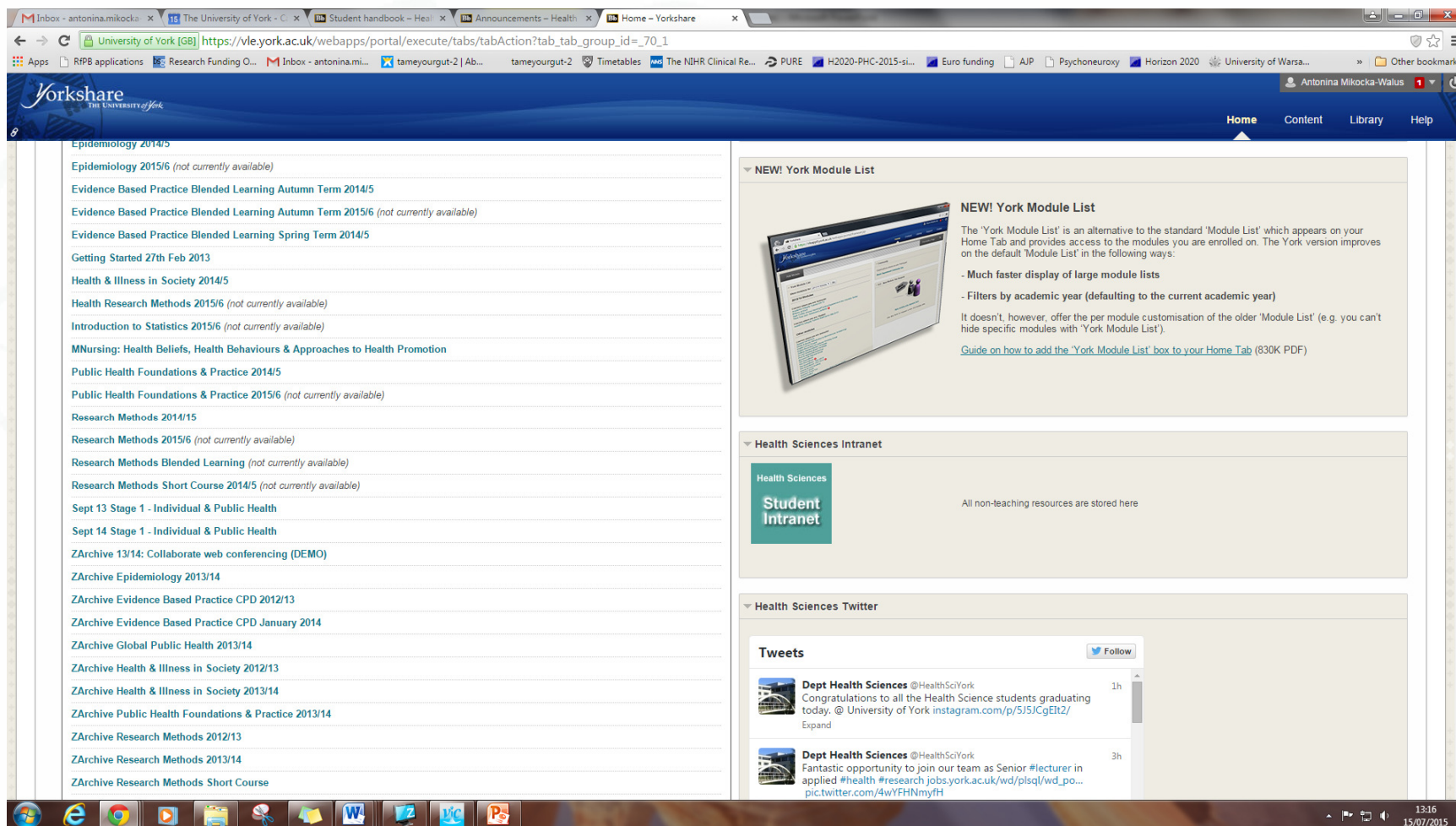
If things go wrong

About the student website

Website feedback

- Make a suggestion
- Report a problem
- Tell us what you like

Enter your feedback...



The screenshot shows a web browser displaying the University of York Health Sciences portal. The main content area lists various modules, many of which are marked as 'not currently available'. The sidebar on the right contains three sections: 'NEW! York Module List', 'Health Sciences Intranet', and 'Health Sciences Twitter'.

NEW! York Module List

The 'York Module List' is an alternative to the standard 'Module List' which appears on your Home Tab and provides access to the modules you are enrolled on. The York version improves on the default 'Module List' in the following ways:

- Much faster display of large module lists
- Filters by academic year (defaulting to the current academic year)

It doesn't, however, offer the per module customisation of the older 'Module List' (e.g. you can't hide specific modules with 'York Module List').

[Guide on how to add the 'York Module List' box to your Home Tab](#) (830K PDF)

Health Sciences Intranet

Health Sciences Student Intranet

All non-teaching resources are stored here

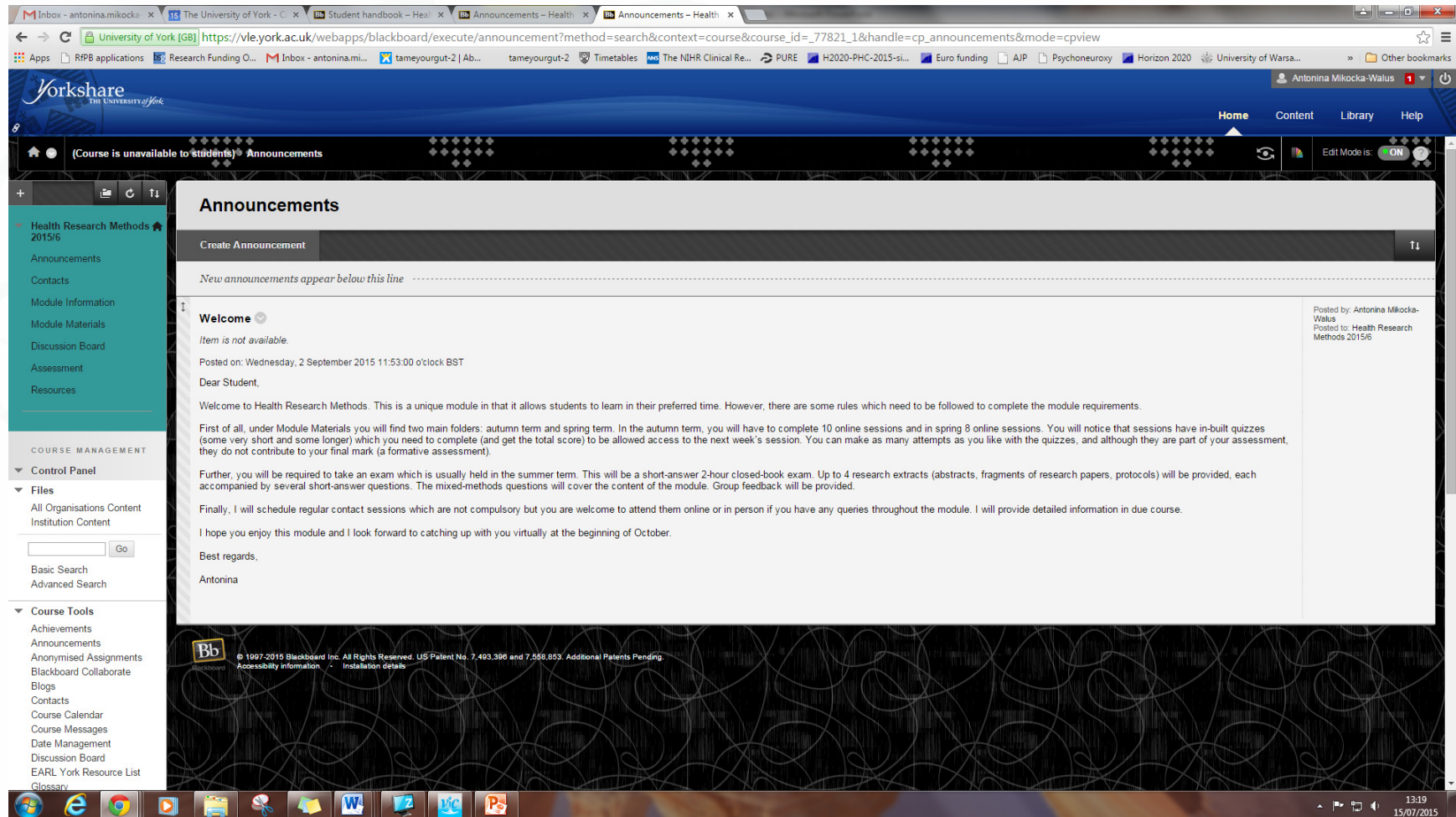
Health Sciences Twitter

Tweets

Dept Health Sciences @HealthSciYork 1h
 Congratulations to all the Health Science students graduating today. @ University of York [instagram.com/p/5J5JCgEit2/](https://www.instagram.com/p/5J5JCgEit2/)
 Expand

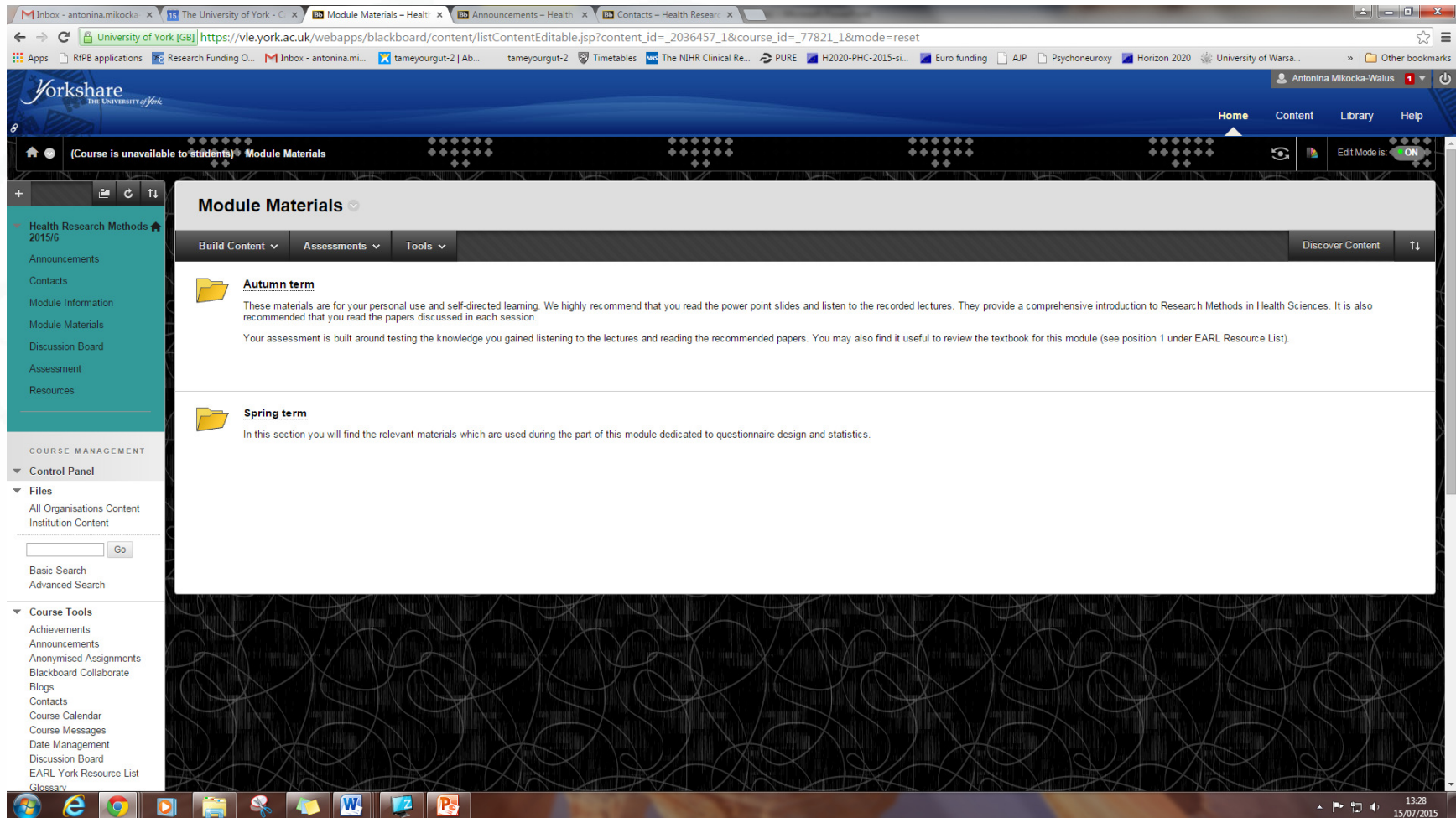
Dept Health Sciences @HealthSciYork 3h
 Fantastic opportunity to join our team as Senior #lecturer in applied #health #research jobs.york.ac.uk/wd/plsq/wd_po...
[pic.twitter.com/4wYFHNmyfH](https://twitter.com/4wYFHNmyfH)

VLE – announcements



The screenshot shows a web browser window displaying the University of York VLE (Virtual Learning Environment) interface. The browser's address bar shows the URL: https://vle.york.ac.uk/webapps/blackboard/execute/announcement?method=search&context=course&course_id=_77821_1&handle=cp_announcements&mode=cpview. The page title is "Announcements". The left sidebar contains a navigation menu with the following items: Health Research Methods 2015/6, Announcements, Contacts, Module Information, Module Materials, Discussion Board, Assessment, Resources, COURSE MANAGEMENT, Control Panel, Files, All Organisations Content, Institution Content, Basic Search, Advanced Search, Course Tools, Achievements, Announcements, Anonymised Assignments, Blackboard Collaborate, Blogs, Contacts, Course Calendar, Course Messages, Date Management, Discussion Board, EARL York Resource List, and Glossary. The main content area displays a "Welcome" announcement. The announcement text reads: "Item is not available." "Posted on: Wednesday, 2 September 2015 11:53:00 o'clock BST" "Dear Student," "Welcome to Health Research Methods. This is a unique module in that it allows students to learn in their preferred time. However, there are some rules which need to be followed to complete the module requirements." "First of all, under Module Materials you will find two main folders: autumn term and spring term. In the autumn term, you will have to complete 10 online sessions and in spring 8 online sessions. You will notice that sessions have in-built quizzes (some very short and some longer) which you need to complete (and get the total score) to be allowed access to the next week's session. You can make as many attempts as you like with the quizzes, and although they are part of your assessment, they do not contribute to your final mark (a formative assessment)." "Further, you will be required to take an exam which is usually held in the summer term. This will be a short-answer 2-hour closed-book exam. Up to 4 research extracts (abstracts, fragments of research papers, protocols) will be provided, each accompanied by several short-answer questions. The mixed-methods questions will cover the content of the module. Group feedback will be provided." "Finally, I will schedule regular contact sessions which are not compulsory but you are welcome to attend them online or in person if you have any queries throughout the module. I will provide detailed information in due course." "I hope you enjoy this module and I look forward to catching up with you virtually at the beginning of October." "Best regards," "Antonina". The right sidebar shows the user's name "Antonina Mikocka-Walus" and the course "Health Research Methods 2015/6". The bottom of the screen shows the Windows taskbar with various application icons and the system clock displaying "13:19 15/07/2015".

Module materials



University of York Blackboard LMS interface showing the 'Module Materials' page for the 'Health Research Methods 2015/6' course.

The page displays the following structure:

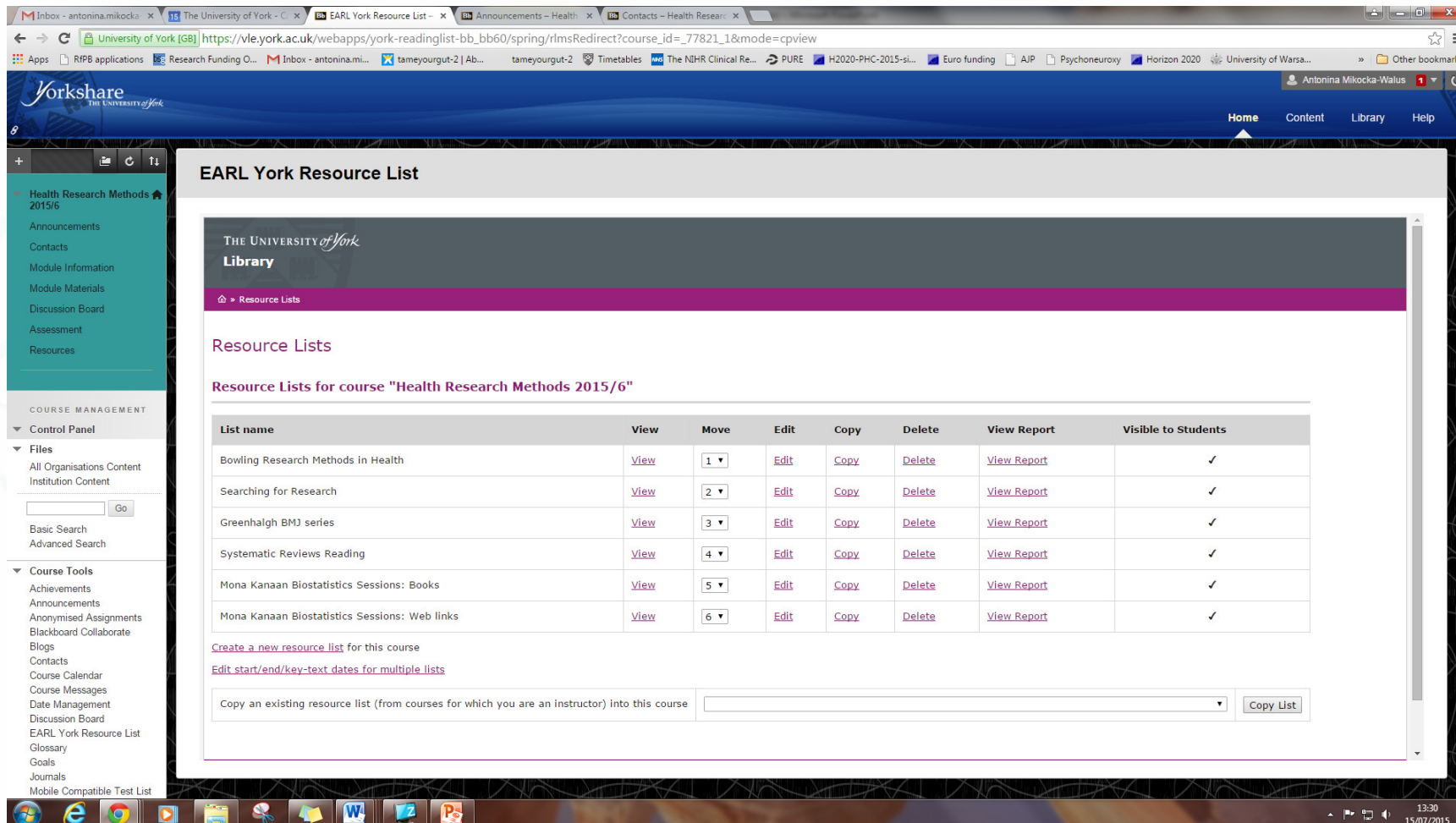
- Navigation Menu (Left):**
 - Health Research Methods 2015/6
 - Announcements
 - Contacts
 - Module Information
 - Module Materials (Selected)
 - Discussion Board
 - Assessment
 - Resources
 - COURSE MANAGEMENT
 - Control Panel
 - Files
 - All Organisations Content
 - Institution Content
 - Basic Search
 - Advanced Search
 - COURSE TOOLS
 - Achievements
 - Announcements
 - Anonymised Assignments
 - Blackboard Collaborate
 - Blogs
 - Contacts
 - Course Calendar
 - Course Messages
 - Date Management
 - Discussion Board
 - EARL York Resource List
 - Glossary
- Main Content Area:**
 - Module Materials** (Title)
 - Build Content | Assessments | Tools | Discover Content
 - Autumn term**

These materials are for your personal use and self-directed learning. We highly recommend that you read the power point slides and listen to the recorded lectures. They provide a comprehensive introduction to Research Methods in Health Sciences. It is also recommended that you read the papers discussed in each session.

Your assessment is built around testing the knowledge you gained listening to the lectures and reading the recommended papers. You may also find it useful to review the textbook for this module (see position 1 under EARL Resource List).
 - Spring term**

In this section you will find the relevant materials which are used during the part of this module dedicated to questionnaire design and statistics.

Reading



The screenshot shows a web browser window displaying the 'EARL York Resource List' for the course 'Health Research Methods 2015/6'. The interface includes a sidebar with navigation links and a main content area with a table of resource lists.

Navigation Sidebar:

- Health Research Methods 2015/6
 - Announcements
 - Contacts
 - Module Information
 - Module Materials
 - Discussion Board
 - Assessment
 - Resources
- COURSE MANAGEMENT
 - Control Panel
 - Files
 - All Organisations Content
 - Institution Content
 - Basic Search
 - Advanced Search
 - Course Tools
 - Achievements
 - Announcements
 - Anonymised Assignments
 - Blackboard Collaborate
 - Blogs
 - Contacts
 - Course Calendar
 - Course Messages
 - Date Management
 - Discussion Board
 - EARL York Resource List
 - Glossary
 - Goals
 - Journals
 - Mobile Compatible Test List

EARL York Resource List

THE UNIVERSITY of York
Library

Resource Lists

Resource Lists for course "Health Research Methods 2015/6"

| List name | View | Move | Edit | Copy | Delete | View Report | Visible to Students |
|---|----------------------|------|----------------------|----------------------|------------------------|-----------------------------|---------------------|
| Bowling Research Methods in Health | View | 1 ▼ | Edit | Copy | Delete | View Report | ✓ |
| Searching for Research | View | 2 ▼ | Edit | Copy | Delete | View Report | ✓ |
| Greenhalgh BMJ series | View | 3 ▼ | Edit | Copy | Delete | View Report | ✓ |
| Systematic Reviews Reading | View | 4 ▼ | Edit | Copy | Delete | View Report | ✓ |
| Mona Kanaan Biostatistics Sessions: Books | View | 5 ▼ | Edit | Copy | Delete | View Report | ✓ |
| Mona Kanaan Biostatistics Sessions: Web links | View | 6 ▼ | Edit | Copy | Delete | View Report | ✓ |

[Create a new resource list](#) for this course
[Edit start/end/key-text dates for multiple lists](#)

Copy an existing resource list (from courses for which you are an instructor) into this course: [Copy List](#)

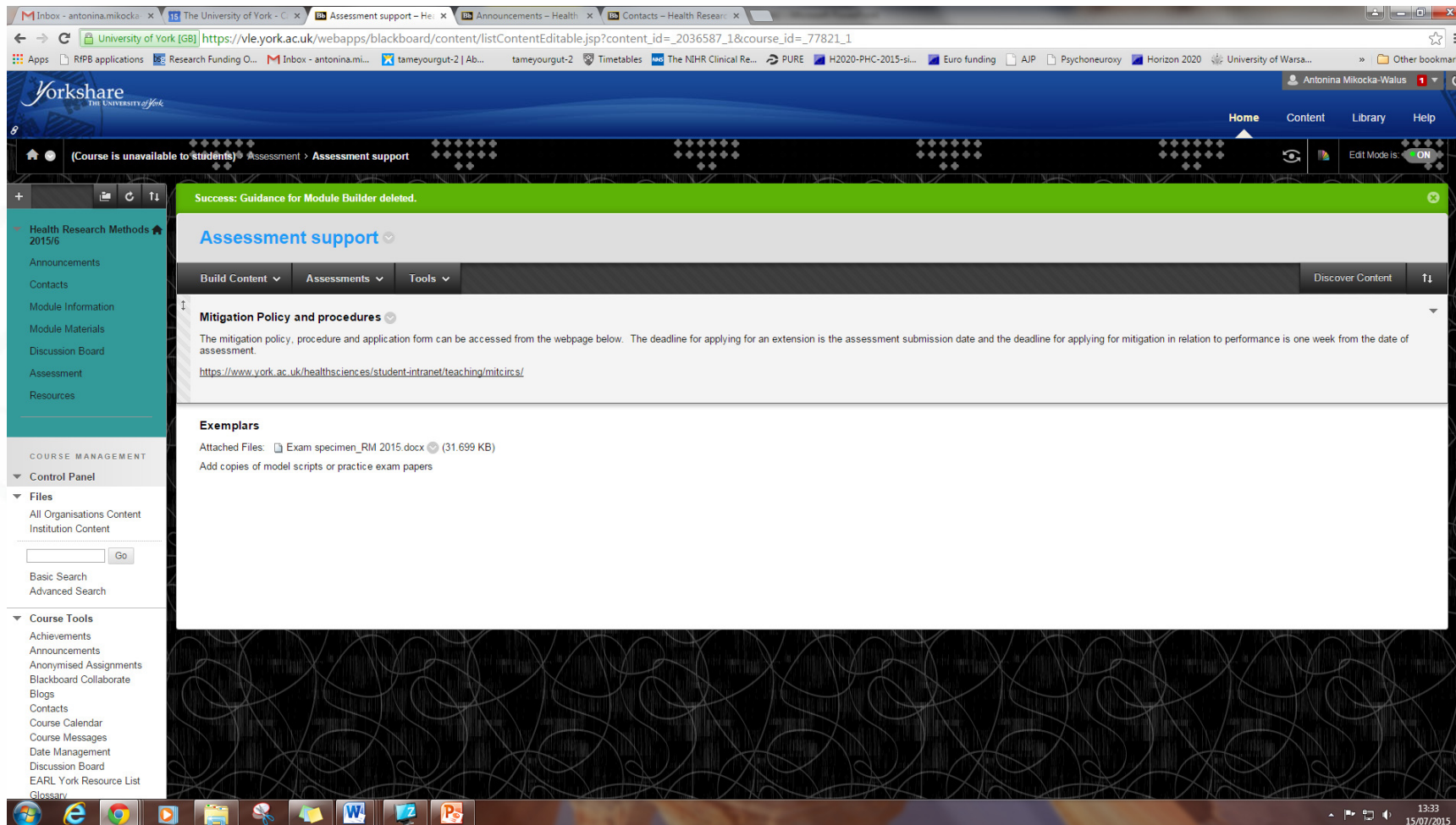
Formative assessment

- Each session (except for the session on communication) will end with a quiz not exceeding 10 multiple-choice questions.
- Students need to answer all questions correctly (multiple attempts are allowed) to be able to access the next session materials (adaptive release).
- Automatic feedback will be provided.

Summative Assessment

- **Summative Quizzes: 15%**
 - will take place in **weeks 3, 6 and 9** of the module.
- **Exam: 85%**
 - This will be a short-answer 2-hour closed-book exam. Research extracts (abstracts, fragments of research papers, protocols) will be provided, each accompanied by several short-answer questions. The mixed-methods questions will cover the content of the module.

Specimen



Success: Guidance for Module Builder deleted.

Assessment support


Build Content ▾ Assessments ▾ Tools ▾ Discover Content 🔍

Mitigation Policy and procedures

The mitigation policy, procedure and application form can be accessed from the webpage below. The deadline for applying for an extension is the assessment submission date and the deadline for applying for mitigation in relation to performance is one week from the date of assessment.

<https://www.york.ac.uk/healthsciences/student-intranet/teaching/mitc/ircs/>

Exemplars

Attached Files:  Exam specimen_RM 2015.docx (31.699 KB)

Add copies of model scripts or practice exam papers



Questions?