

# Drupal – Course Structures

## Introduction

When creating a course in OpenCourseWare (powered by Drupal) for the first time, the ILTS team can provide a starting course template in Drupal either based 1) on the course structure and content from Learn; OR 2) as a blank template with an agreed structure.

In this post, we would like to focus on the options available for a blank template structure within Drupal. We will use courses, already available within OpenCourseWare, as examples of the types of course structure you can choose from. The following is not an exhaustive list of all courses within OpenCourseWare, but a small sampling of courses within our chosen structures. The [home page of Open Course](#) has a list of all courses for you to browse, if preferred.

## Course Structures

**A) Structured by activity (e.g. lectures, tutorials, readings, etc.):**

- [ARO](#) and [EPL](#)

Navigation

ARO: Course Materials  
ARO: Hardware Labs  
ARO: Lectures  
ARO: Tutorials  
ARO: Guest Lectures  
ARO: Software Labs  
ARO: Assessment  
ARO: Course Contacts

ARO

Navigation  
Menu, in  
Drupal  
(public view)

## B) Structured by week (e.g. week 1, week 2, week 3, etc):

- [CDI1](#); [IRR](#); and [SDM](#)

### Navigation

CDI1: Course Materials

CDI1: Week 1

CDI1: Week 2

CDI1: Week 3

CDI1: Week 4

CDI1: Week 5

CDI1: Week 6

CDI1: Week 7

CDI1: Week 8

CDI1: Week 9

CDI1: Tutorials

CDI1: Resource List

CDI1: Assessment

CDI1: Course Contacts

CDI1  
Navigation  
Menu, in  
Drupal (public  
view)

## C) Structured by schedule (e.g. a schedule table with links to slides, video, handouts, etc):

- [CT](#); [EXC](#); and [IQC](#)

CT: Course Materials

Schedule

Week	Date	Topic	Resource
1	15-Jan-2024	Introduction	<a href="#">ct_lecture_1_-_introduction.pdf</a> <a href="#">ct_lecture_2_-_the_view_from_35000_feet.pdf</a>
1	18-Jan-2024	Lexical Analysis	<a href="#">ct_lecture_3_-_lexical_analysis.pdf</a>
2	22-Jan-2024	Guest Lecture by Lionel Pernaux	<a href="#">ct_guest_lecture_1_-_deforestation.pdf</a>
2	25-Jan-2024	Automatic Lexer Generation	<a href="#">ct_lecture_4_-_automatic_lexer_generation.pdf</a>

CT Schedule in Drupal

## D) Courses with a mixed structure (e.g. by schedule, activities and weeks):

- [ANLP](#); [CGGS](#); [IQPS](#) (aka QPS-11); and [USEC](#)

### USEC: Course Materials

#### Lecture Recordings

All lecture recordings should be accessed via [Learn](#); you will need to log in using your EASE account. (Learn provides you with access to any lecture recordings available for this course. You will need to select the "lecture recording" link once, before you can access any direct links to a lecture recording.)

#### Lecture Schedule

##### Introduction

In this theme, we will first give an overview on the course structure and introduce basic concepts in usable security and privacy. Then, we will discuss user authentication, a common security application, in the context of USEC.

- Week 1
  - [L1] Introduction to Usable Security and Privacy
  - [L2] Usable Security and Privacy Thinking and Threat Modeling
- Week 2
  - [L3] User Authentication (Overview and Password)
  - [L4] User Authentication (Biometrics)

##### Study Method and Analysis

Now we will introduce how to conduct (user) studies for USEC. We will also talk about how to formulate USEC research.

- Week 3
  - [L5] Study Method Overview
  - [L6] Think Aloud Study
- Week 4
  - [L7] Survey and Analysis
  - [L8] Research Framework and Thinking

#### Technology and Applications

## USEC Course Structure – Weekly View

### USEC: Lecture 1: Introduction to Usable Security and Privacy

#### Lecture Slides

See attached file

#### Materials

- Chapter 1 - Garfinkel, Simson, and Heather Richter Lipford. *Usable Security: History, Themes, and Challenges*. Cham: Morgan & Claypool Publishers, 2014. Print.

#### Further Videos:

- Stanford Seminar - Conducting Usable Privacy and Security Studies: It's Complicated by Lorrie Faith Cranor
- HCI: Who are the users
- Security: CIA Definitions

#### Further Reading:

- Hoyle, Roberto, et al. "Was my message read? privacy and signaling on Facebook messenger." *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*. 2017.

#### Take-home

- Microsoft 365 Safe Links
- (Blog) BBC News - WhatsApp and other messaging apps oppose 'surveillance'

#### Files

 [lecture-Introduction-usable-security-and-privacy.pdf](#)

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[« USEC: HCI Videos](#)      [Up](#)      [USEC: Lecture 2: Usable Security and Privacy](#) >  
Thinking & Threat Modeling

## USEC Course Structure – Lecture View

## Further Information

When creating the course in Drupal, ILTS will provide support and guidance for you to choose a suitable structure for your

course. This agreed structure will then make it easier for you to build your content and populate your course in time for Welcome Week.

If you'd like to discuss the options and contact ILTS then please visit the [support page](#). We look forward to working with you.

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# Copying an existing lecture recording (Media Hopper Replay)

Fully revised January 2026.

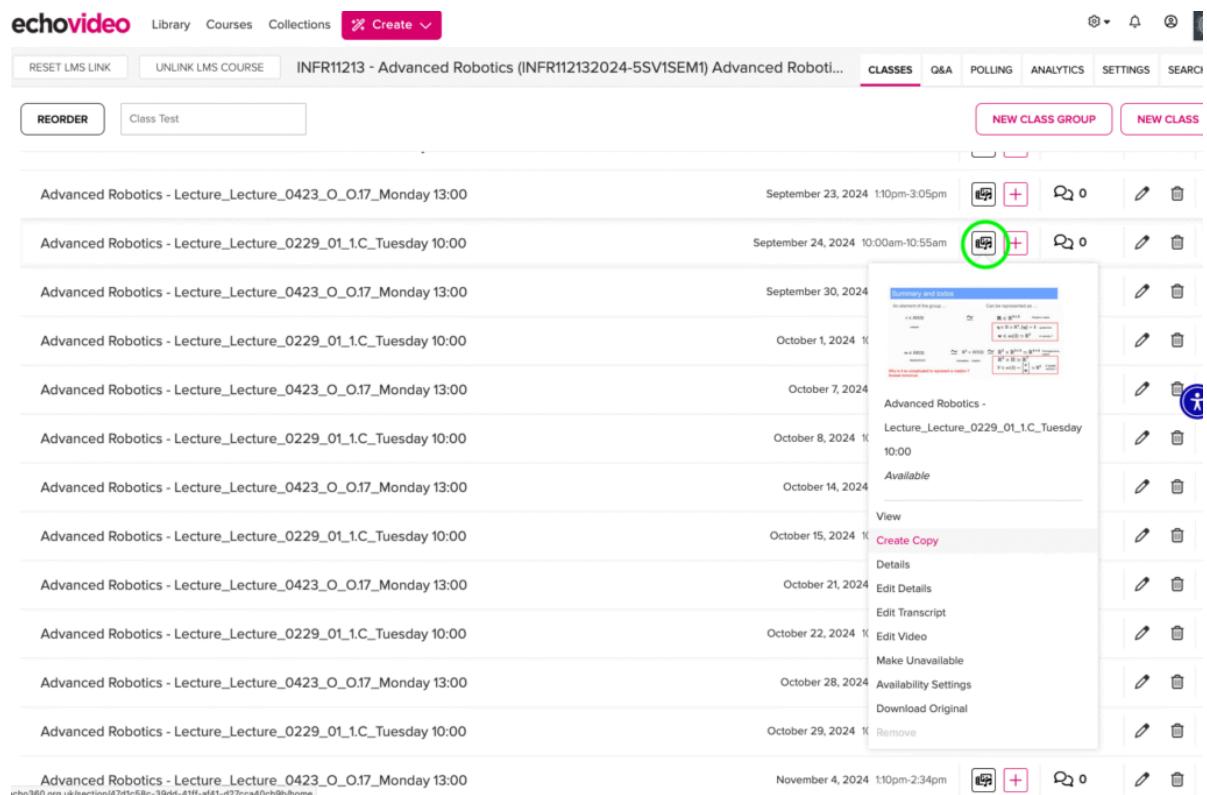
Our most common enquiry is how to share a recording made in a previous year with a different cohort of students. This may be because something went wrong with this year's recording\* or because it would be of interest to students enrolled on an entirely different course.

In order to share a recording, you need to first make a copy of it, which will add it to your personal Media Hopper Replay library. You can then publish it to another linked course in Media Hopper Replay. This is quick and easy to do, just follow these instructions:

1. Go to the Learn page for the course from which you want to copy the lecture.
2. Follow the link for 'Lecture Recordings' on that Learn page, which will take you through to a list of all the recordings for that course.
3. Locate the recording you want to copy from the list and

click on the actions menu to the right of the video [circled in green on the screenshot below] and then select 'Create Copy'. A dialogue box will open asking you to confirm whether you want to copy this video; click OK to go ahead. Once the copy has been generated, there will be a pop-up message at the bottom of the screen confirming that this has been successful.

The copy has now been saved to your library on Echo360.



The screenshot shows the Echo360 library interface. At the top, there is a navigation bar with 'echovideo' logo, 'Library', 'Courses', 'Collections', a 'Create' button (highlighted with a green circle), and other account-related icons. Below the navigation bar, the main content area displays a list of video recordings. Each recording entry includes the video title, date, and time, followed by a series of actions: a 'Details' icon, a 'Create Copy' icon (highlighted with a green circle), a 'View' icon, and a three-dot actions menu. The 'Create Copy' icon is specifically highlighted with a green circle in the screenshot.

Recording Title	Date	Actions
Advanced Robotics - Lecture_Lecture_0423_O_O17_Monday 13:00	September 23, 2024 1:10pm-3:05pm	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0229_01_1C_Tuesday 10:00	September 24, 2024 10:00am-10:55am	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0423_O_O17_Monday 13:00	September 30, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0229_01_1C_Tuesday 10:00	October 1, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0423_O_O17_Monday 13:00	October 7, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0229_01_1C_Tuesday 10:00	October 8, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0423_O_O17_Monday 13:00	October 14, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0229_01_1C_Tuesday 10:00	October 15, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0423_O_O17_Monday 13:00	October 21, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0229_01_1C_Tuesday 10:00	October 22, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0423_O_O17_Monday 13:00	October 28, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0229_01_1C_Tuesday 10:00	October 29, 2024	Details Create Copy View More
Advanced Robotics - Lecture_Lecture_0423_O_O17_Monday 13:00	November 4, 2024 1:10pm-2:34pm	Details Create Copy View More

4. Click on 'Library' at the top left of the page.
5. Find the copy you just created and move your cursor over it to see the three dot (...) actions menu; click to open up the menu and select 'Share'.

 Search Library 

Sort by Date Created  

 Collections (2 of 2)

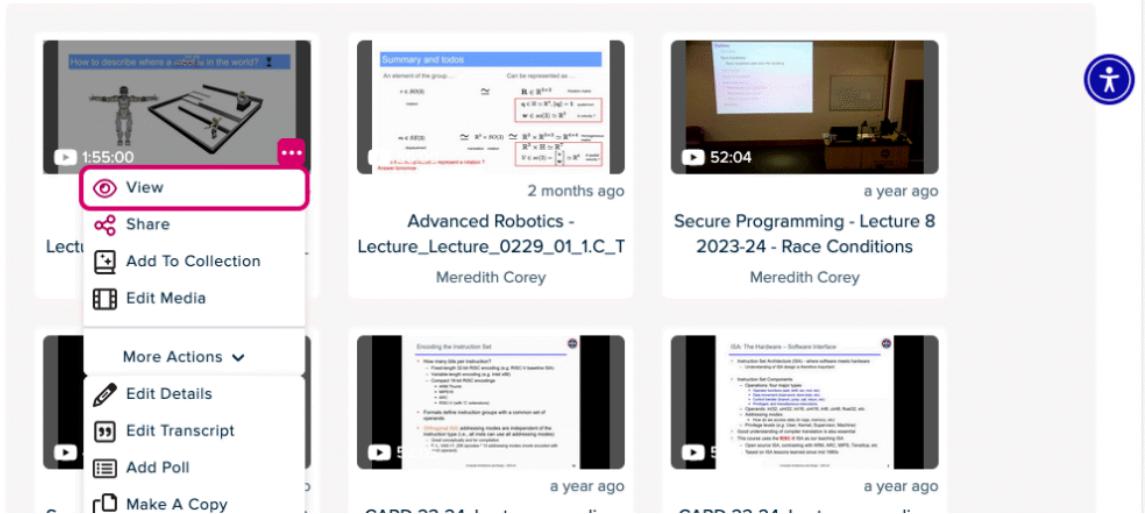
Teaching Festival 2022

 10  3 

ANLP 2019-20

 34  2 

 Media (50 of 69)



1:55:00  

Lecture  Share  Add To Collection  Edit Media

More Actions  Edit Details  Edit Transcript  Add Poll  Make A Copy

Summary and Tools  

An element of the group...  Can be represented as... 

$\vdash A \in \mathbb{R}^{300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$    $\vdash B \in \mathbb{R}^{300 \times 300}$  

2 months ago 

Advanced Robotics - Lecture\_Lecture\_0229\_01\_1C\_T                  

Meredith Corey                  

52:04 

a year ago 

Secure Programming - Lecture 8 2023-24 - Race Conditions             

Meredith Corey             

ISA: The Hardware - Software Interface             

a year ago                   

a year ago          

6. When the 'Share To' dialogue box opens, select 'Classes', then 'Add To Class'. You can now select any course you have Instructor access in Echo360. Once you have chosen the course you want, select the 'Term', i.e. academic year, and then the 'Section' will almost always only have one option to choose.

**IMPORTANT:** By default, when selecting where you want to copy the recording to, it will go with an 'Existing Class' for the course, which will overwrite any recording for that date. If you do not want to overwrite an existing recording, select the option for 'New Class' and input the required details.

Click 'Done'.

Share To

Individuals

Classes

Share with a class

Course: INFR11213: Advanced Robotics

Term: 2025-2026

Section: Advanced Robotics (INFR...)

Existing Class    New Class

Class: Select...

Available:  Now    Never    Date   MM/DD/YYYY

Unavailable:  Never    Date   MM/DD/YYYY

\*It is, obviously, best to avoid issues with the recording, wherever possible! Make sure students in the room can hear you out of the speakers to ensure the mic is working. If you encounter any problems with the equipment in the lecture room, please contact University's central [Learning Spaces Technology](#) team ASAP using the phone number provided in the room (or listed on [their Contacting Us page](#)), as they look after all of that equipment. They can triage over the phone or send a technician. While this may briefly disrupt your class, in most cases the issues can be resolved right away.

The IS Helpline supports Media Hopper Replay throughout the University. Contact details are listed [here](#). You can also find some other information and instructions on the [IS Media Hopper Replay Support Sharepoint pages](#).

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# Teaching Hour – How to use

# **your teaching support budget to best effect**

The Teaching Hour, in the School of Informatics, on February 24th 2022, focussed on “How to use your teaching support budget to best effect”.

Abstract from the event: “In Informatics course organisers have a budget to spend on employing staff and students as teaching support: tutors, demonstrators, teaching assistants, markers and any other roles help to support teaching and learning on courses. In this session colleagues detailed what the various teaching support roles are and who can take them on. They then illustrated and discussed different choices of learning activities in examples of Informatics courses”.

The recording from the session can be viewed, via Media Hopper Create, at this link [here](#). And the slides used during the session can be viewed, via Sharepoint, at this link [here](#).

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# **Informatics Teaching Festival 2022: Design of Teaching and Learning**

**The Informatics Teaching Festival is back for a third consecutive year** and will run Monday May 9th to Wednesday May 11th 2022.

The 2022 Informatics Teaching Festival will focus on the design of teaching and learning and consist of the following

sub-themes:

- overview of course design (Day 1, May 9th 2022)
- design to develop student skills, including for the industry (Day 2, May 10th 2022)
- design of assessment (Day 3, May 11th 2022).

Each day will include both presentations on school and university processes, tools and support, as well as the sharing of experience and good practice around different approaches to the design of teaching and learning, and internal (Informatics or university-based) as well as invited external speakers.

If you'd like to attend any of the following sessions, and are not a member of the School of Informatics, please [register your interest here](#), and a Collaborate link will be emailed to you in advance of the session(s).

## Schedule\* –

### Day 1: Overview of Course Design. Monday, May 9th 2022

Topic (and links to recordings after event)	Date/Time	Speaker, with linked Resources
<b>Opening / <a href="#">Welcome Session</a></b>	9-9.10am	<a href="#">Björn Franke</a>
<b>Morning Session – Designing a new course:</b>	Morning Session: 9.10-12.30pm	

<p>Process and experience of designing new courses:</p> <p>Designing a new Informatics Course – <a href="#">Sharon Goldwater</a>;</p> <p>Design Decisions and Dilemmas in a new data science course – <a href="#">David Sterratt</a>;</p> <p>Designing INF2-IADS – <a href="#">John Longley</a></p>	<p>9.10-10.40am</p>	<p><a href="#">Sharon Goldwater</a>  <a href="#">David Sterratt</a>  <a href="#">John Longley</a></p>
<p><i>Coffee break</i></p>	<p>10.40-11am</p>	<p><a href="#">Meet in Gathertown</a></p>
<p><a href="#">Support for course design (ELDeRs)</a></p>	<p>11-11.30am</p>	<p><a href="#">Fiona Hale</a>  <a href="#">Cristina Alexandru</a></p>
<p><a href="#">Sharing positive experiences on improved courses</a></p>	<p>11.30am-12.15pm</p>	<p><a href="#">Heather Yorston on DMP</a>  <a href="#">Pavlos Andreadis</a></p>
<p>Discussion</p>	<p>12.15-12.30pm</p>	
<p><i>Lunch break</i></p>	<p>12.30pm-2pm</p>	
<p><b>Afternoon Session – Improving an existing course:</b></p>	<p>Afternoon Session: 2-5pm</p>	
<p><a href="#">Course proposal / improvement</a>            (involving Board of Studies approval)</p>	<p>2-3.20pm</p>	<p>Aurora Constantin            Felipe Costa Sperb  <a href="#">Heather Yorston RS for CAM</a></p>
<p><i>Coffee break</i></p>	<p>3.20-3.40pm</p>	<p><a href="#">Meet in Gathertown</a></p>

<u>Course improvement</u> (not involving Board of Studies approval)	3.40-4.30pm	<u>Cristina Alexandru</u> on <u>SEPP</u> Pavlos Andreadis
Discussion	4.30-5pm	
<i>Day end</i>	5pm	

## Day 2: Design to develop student skills. Tuesday, May 10th 2022

Topic (and links to recordings after event)	Date/Time	Speaker / Resources
<b>Morning Session – Developing core Informatics skills:</b>	Morning Session: 9-12.30pm	
Cristina Alexandru, Heather Yorston, and Brian Mitchell: <a href="#"><u>Teaching students with varied profiles in UG1</u></a> Judy Robertson: <a href="#"><u>Teaching First year students with varied backgrounds</u></a>	9-10am	<u>Cristina Alexandru</u> on <u>Varied Profiles UG1</u> <u>Heather Yorston</u> on <u>FAC and MC</u> <u>Brian Mitchell</u> – <u>Prize and Prejudice</u> Judy Robertson – prerecorded video

<u>Teaching programming</u>	10-11am	<u>Pawel Orzechowski</u> <u>Charlotte Desvages</u> – Day 2 Judy Robertson – prerecorded video <u>Michael Glienecke</u>
Discussion	11-11.15am	
<i>Coffee break</i>	11.15-11.30am	<u>Meet in Gathertown</u>
Teaching Modelling: <u>Reflection on including the industry perspective in our teaching</u>	11.30am-12.30pm	Pavlos Andreadis <u>Sanjay Rakshit</u>
<i>Lunch break</i>	12.30pm-2pm	
<b>Afternoon Session – Developing transferrable skills:</b>	Afternoon Session: 2-5pm	
Guest Presentation: <u>Back to the future: shaping software engineering education with lessons from the past (abstract)</u>	2-2.45pm	Joseph McGuire
<i>Coffee break</i>	2.45-3pm	<u>Meet in Gathertown</u>
<u>Developing research skills</u>	3-4pm	Felipe Costa Sperb Stefano Albrecht – pre-recorded video

Skills for the industry: <a href="#"><u>Rebecca Clacy-Jones on “Employment for Informatics Students”</u></a> and <a href="#"><u>Pavlos Andreadis on “View of Informatics Students”</u></a>	4-4.35pm	<a href="#"><u>Rebecca Clacy-Jones</u></a> Pavlos Andreadis
Skills for the industry: <a href="#"><u>Large companies and what they require</u></a>	4.35-4.55pm	Michael Glienecke
<i>Day end</i>	5pm	

## Day 3: Assessment. Wednesday, May 11th 2022

Topic (and links to recordings after event)	Date/Time	Speaker / Resources
<b>Morning Session – Philosophy of Assessment</b>	Morning Session: 9-12.30pm	
<a href="#"><u>Assessment in Informatics</u></a>	9-9.45am	<a href="#"><u>Björn Franke</u></a>
Guest Speaker: <a href="#"><u>Vertically integrated assessment in Physics (abstract)</u></a>	9.45-10.30am	<a href="#"><u>Ross Galloway</u></a> , School of Physics and Astronomy
<i>Coffee break</i>	10.30-110am	<a href="#"><u>Meet in Gathertown</u></a>

<p>Assessment Approaches:  <u><a href="#">"Let's talk about Groupwork"</a></u>: David Sterratt  <u><a href="#">"A brief introduction to WebPA"</a></u>: Meredith Corey  <u><a href="#">"Why and how to assess and give feedback on code (using standard tools)"</a></u>: Charlotte Desvages</p>	11am-12.15pm	<u><a href="#">David Sterratt</a></u> Meredith Corey <u><a href="#">Charlotte Desvages</a></u> – Day 3
<u><a href="#">Update on Assessment Plans (from ILTS and IT0)</a></u>	12.15-12.30pm	Toni Noble Meredith Corey David Sterratt
<i>Lunch break</i>	12.30pm-2pm	
<b>Afternoon Session – Marking Approaches</b>	Afternoon Session: 2-4pm	
<u><a href="#">Rubrics Cube: Puzzles in designing rubric-based marking schemes</a></u>		Aurora Constantin
<u><a href="#">How do we set challenging assignments without encouraging students to throw arbitrary amounts of time at them?</a></u>		Iain Murray
<u><a href="#">Marking to the Common Marking Scheme with Criteria &amp; Decision Rules</a></u>		Paul Anderson
<u><a href="#">Closing Ceremony</a></u>	3.30-4pm	Jane Hillston
<i>Day end</i>	5pm	

\* The schedule is still subject to change. As best we can we will not make big adjustments to speakers and timings.

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# Zoom – two big changes now in place for teaching

A year after first being licenced at the University, Zoom is now 1) licenced to cover teaching and 2) integrated within the University Learn VLE. Both of these changes should benefit many teaching staff (and students) within the School. When first licenced and implemented within the University teaching was not covered within the Zoom licence. This has now been changed.

And over the summer 2021, Zoom was integrated within the Learn VLE, which allows staff to schedule and access Zoom meetings within their Learn courses. After adding the Zoom tool to a Learn course, staff and students will be able to access a course-specific meeting schedule and cloud recording library and the scheduler will display all meetings scheduled for the course.

More details on Zoom, the integration with Learn and the training available for using Zoom are available from the ISG website [here](#). Support for Zoom is available from [IS.Helpline@ed.ac.uk](mailto:IS.Helpline@ed.ac.uk).