

Course Files

**supporting assessment quality
making teacher's life easier**

UT SKE symposium 6 July 2017

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Exam Board EEMCS - EE / EMSYS

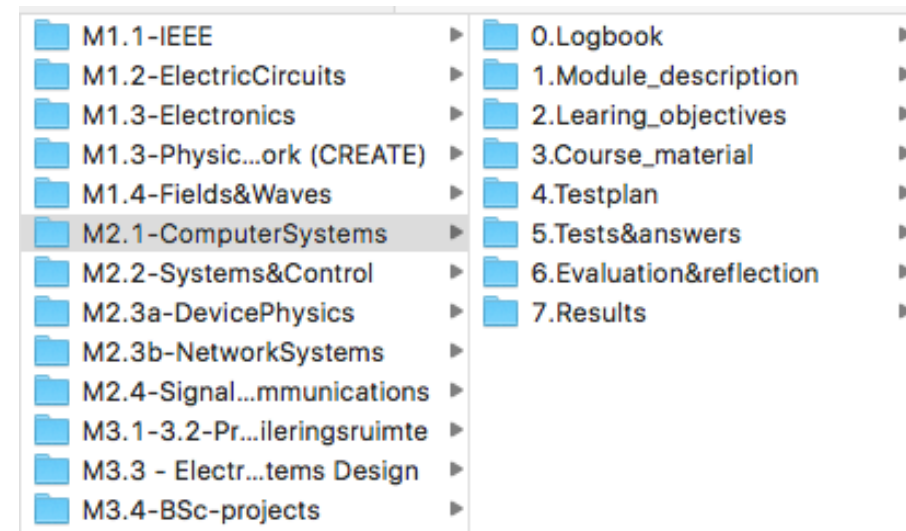
Course Files: for supporting assessment quality

- **Course Files**

- Instrument to document PDCA in teaching and assessment
 - Structured set of directories / files on file server
- Supports transparency / availability
 - For Curriculum Brd, Exam Brd, External Assessment
- Used in academic curricula
 - e.g. UvA, RUG, *.edu

- **CF issues @ EEMCS**

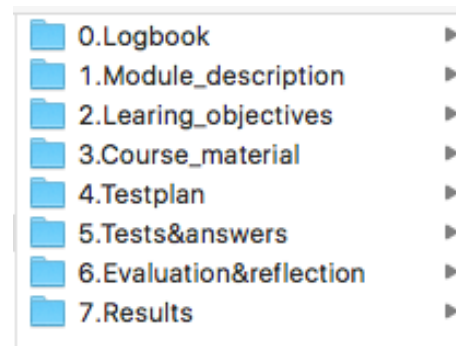
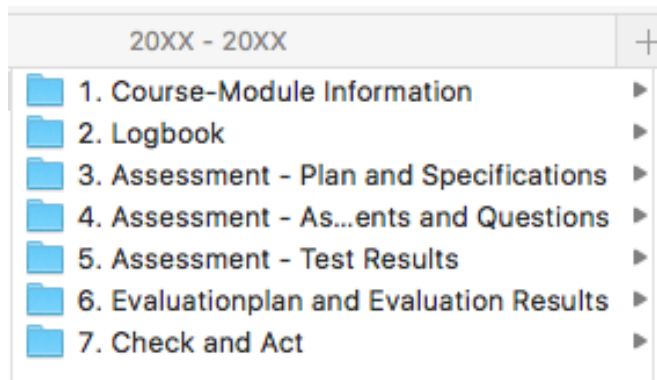
- Not really used
- Infrastructure available
 - Templates, links to Orisis



- **How to organise Course Files to obtain real and effective use of it?**

Analysis of current situation

- **Approach**
 - Check existing course files
 - Interview stakeholders
 - Search for background material
 - Propose a solution
- **Course File content structure @ EEMCS**



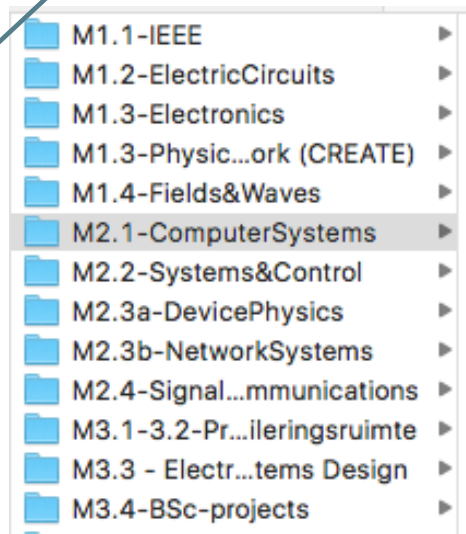
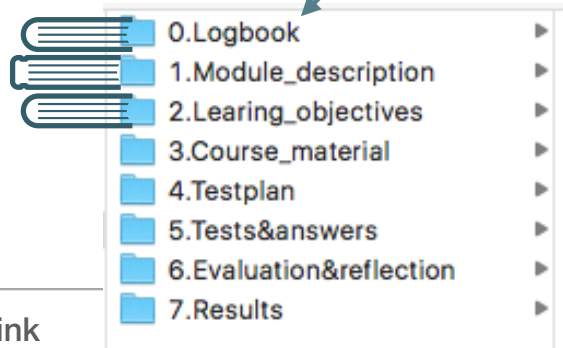
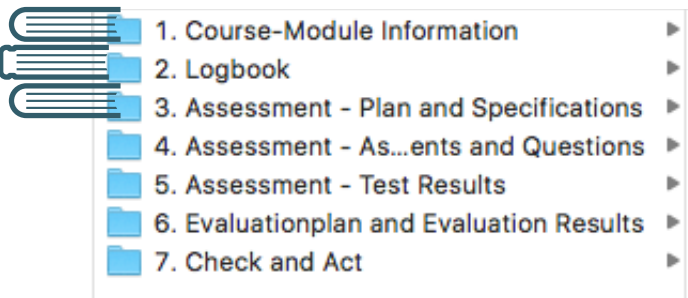
Analysis of current situation

- File Structure available on WebDAV server EEMCS

- Two different directories

- EEMCS - sorted by course code / access to all
- EE only - sorted by module number / restricted access

- Two different CF content structures



Bachelor Moduledossiers	
201200097	Electric Circuits - EE
201200098	Electronics - EE
201300056	Structuren en Modellen - TW
201300057	Wiskundige Bewijstechnieken - TW
201300070	Parels der Informatica - TI
201300073	Inleiding BIT - BIT
201300107	Business Intelligence and IT - BIT
201300132	Smart Environments - Create
201300179	Netwerksystemen - TI
201300180	Data & Information - BIT TI
201300182	Signalen en Onzekerheid - TW
201300189	Living and working tomorrow - Create
201300190	Art, Impact and Technology - Create
201400159	Field and Waves - EE
201400210	Computer Systemen - TI
201400217	Computer systems - EE
201400218	Statistiek en Analyse - TW
201400301	Finance for engineers - BIT
201400430	Device Physics - EE
201400433	Discrete Structuren & Efficiente Algorit
201400434	Modelling and An...hastic Processes for
201400435	Innovation and entrepreneurship - Crea
201400436	Data from the source to the senses - C
201400535	Velden en Electromagnetisme - TW
201400537	Pogramming Paradigms - TI
201500025	Web Science - BIT
201500052	Cybercrime and cybersecurity - BIT
201500053	Cyber-Physical Systems - TI
201500054	...

SKE 2017 — Course Files

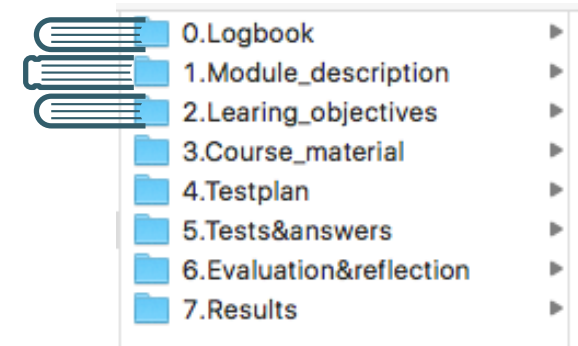
Analysis of current situation

- **File Structure available on WebDAV server EEMCS**

- Two different directories / Content Structures

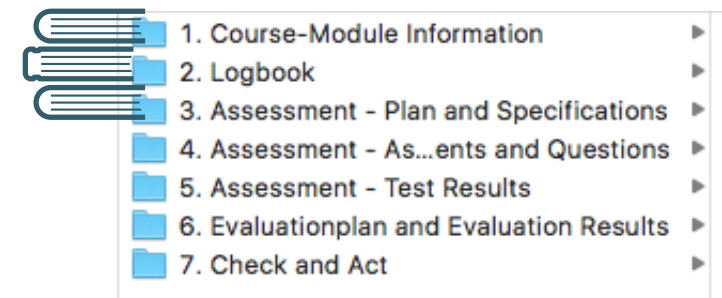
- **Materials in course files - EE BSc modules**

- 6 out of 11 empty
 - Ever seen?
- 5 out of 11 partly filled
 - Not so up to date
 - A few contain tests
 - No content in Check / Act



- **Reasons for this amount of content**

- Added value not clear?
- Too complex to reach / use?
- Not well enough structured?



Ideas / requirements for improving EEMCS' course files

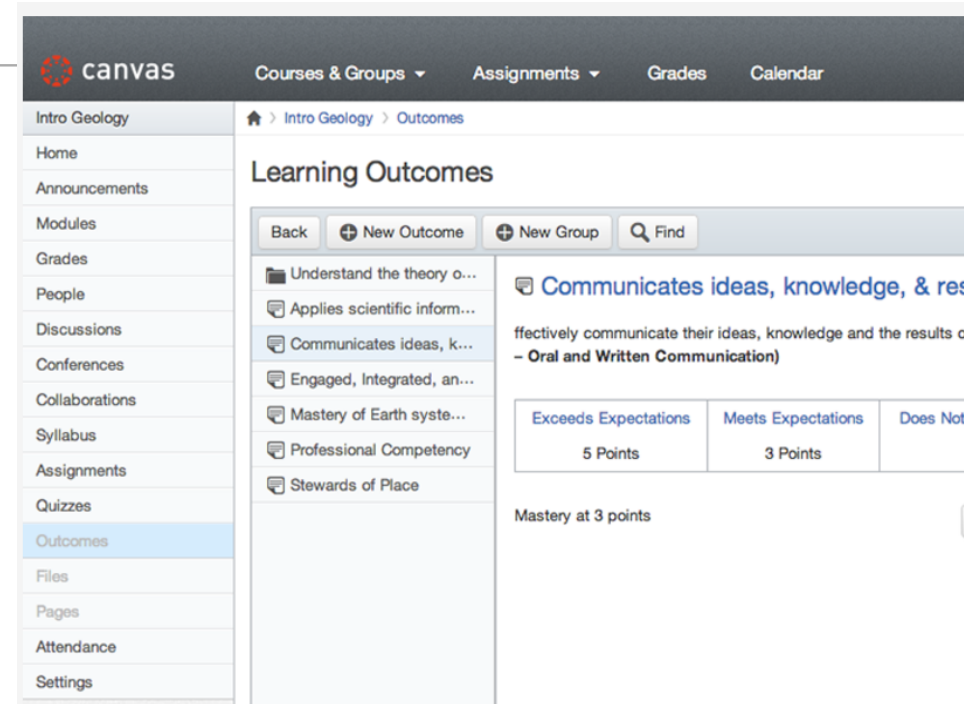
- **Benefit for teachers and module coordinators**
 - **Structured storage (also for delivery towards Prog Mgt)**
 - All stuff on central, structured place
 - Medium to provide (get) info from Prog Mgt and Administration
 - **No** documents to fill-in via e-mail; only requests
 - **Careful selected authorisation**
 - Restricted access due to storing tests, results, etc
 - **Supports own PDCA, test cycle**
 - ILO, link to PILO
 - Logbook, C A part
 - Better than own disk (?)
- **Supports transparency / availability**
 - **For Curriculum Board, Exam Board, Program Management**
 - Day-to-day routine (e.g. look up information)
 - Consistency in Mgt information
 - **For External Assessment**
 - Easy (?) to obtain data for Critical Reflection

Towards a solution

- **Structure of Information - PDCA + Test Cycle**
 - Module / Course Information / ILO
 - Course Material, Tests, Assessment sheets, Graded works?
 - Tests Results, Analysis
 - Evaluation
 - **Tools, as “single point” of storage**
 - Fileserver, like webDAV, Sharepoint
 - Project-mgt like tools
 - LMS - Canvas
 - Pre-structured and “free” parts
- **Info**
 - For Course Catalogue
 - Module Manual
 - **ILO**
 - PILO \Leftrightarrow ILO
 - **Course Materials**
 - Slides, docu etc => LMS
 - **Assessment**
 - Tests, Assessment sheets
 - Results
 - **Evaluation / Reflection (C, A)**
 - Statistics, SEQ
 - Plans for improvement

How to proceed

- **Agree / propose structure**
 - Choose per Curriculum versus EEMCS all
- **Assess / select infrastructure**
 - Investigate Canvas, our new LMS →
 - Mean while stick with webDAV ?
- **Implementation**
 - Showcase a few (forerunners)
 - Then implement CF of other courses
- **Check with teachers and MCs, management, TB, EB**
 - More on existing best practices
 - Emphasis on added value for all stakeholders
 - Involve support staff



Canvas – Outcomes

The screenshot shows the Canvas LMS interface. The top navigation bar includes the Canvas logo and links for 'Courses & Groups', 'Assignments', 'Grades', and 'Calendar'. The left sidebar lists various course management tools, with 'Outcomes' highlighted. The main content area is titled 'Learning Outcomes' and features a toolbar with 'Back', 'New Outcome', 'New Group', and 'Find' buttons. A list of outcomes is displayed, with 'Communicates ideas, knowledge, & results of work' selected. This outcome is further detailed with a description: 'Effectively communicate their ideas, knowledge and the results of their work (Oral and Written Communication)'. Below the description is a table with three columns: 'Exceeds Expectations' (5 Points), 'Meets Expectations' (3 Points), and 'Does Not Meet Expectations' (0 Points). The current status is 'Mastery at 3 points'.

Outcomes

Integrated learning outcomes reduce the effort and expense of accreditation. Outcomes connect coursework with competencies defined at any level of the institution, so assessing student learning has never been easier. And when aligned with rubrics, outcomes help improve teacher feedback—and may even inspire better student performance.