Blended Learning Startegy

Different Approaches

Definition (Synchronous Learning)

Synchronous learning is the kind of learning that happens in real time. For example a real or virtual classroom

Definition (Asynchronous Learning)

Asynchronous learning is flexible around the students time. For example a reading task, lectures for viewing, a homework assignment, or evaluating feedback.

Training and Module Audit

Before we started module devloplment we had a series of zoom training sessions.

The idea of these sessions was to give us an idea of how to create a blended VLE.

We also audited the existing modules againsta checklist of new requirements

Whats's New?

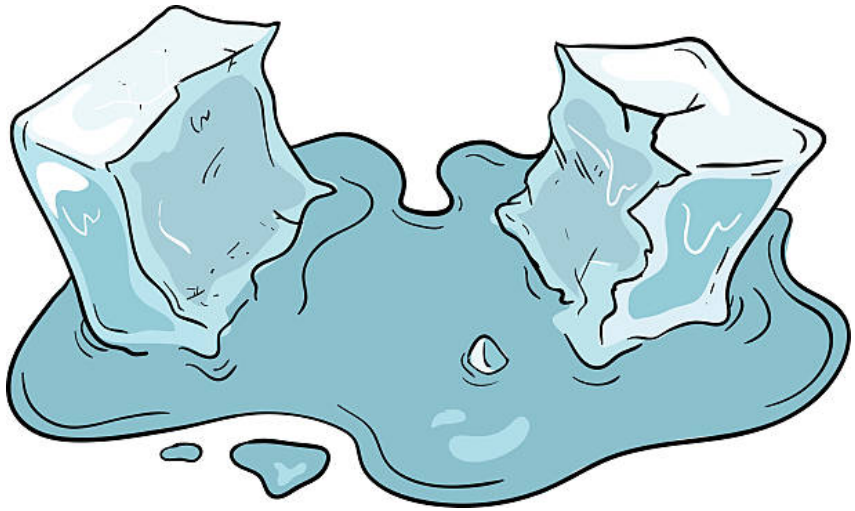
- Interactive tasks
- Induction
- Videos
- Weekly Planners
- Module Maps
- Indexing
- Decription of Task

Interactive Tasks

- Forums
- Brightspace as host platform
- Padlet
- Discussion Boards
- Group-work
- Presentations
- Online Quizzes
- Interactive Videos (Panopto)

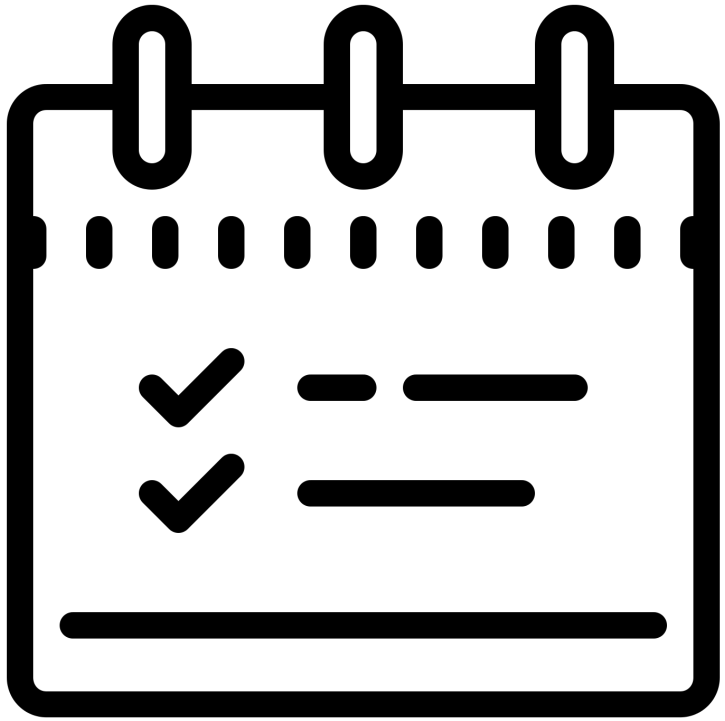
Induction

- Introduction Videos
- Ice-breakers
- Module Handbook



Weekly Planners

- Overview of activities
- Zoom details
- Hyperlinks
- Deadlines



Videos

- Webcam
- Powerpoint Narration
- Desktop screencasts
- Tablet screencasts

Module Maps

Week 1

Week 1. Partial Fractions

Week 2

Week 2. Complex Numbers

Week 3

Week 3. Differentiation

Week 4

Week 4. Integration

Week 5

Week 5. Sequences

Week 6

Week 6. Newton's Method

Week 7

Week 7. Differential Equations

Week 8

Week 8 - Matrices and Determinants

Week 9

Week 9 - Vectors

Week 10

Week 10. Probability

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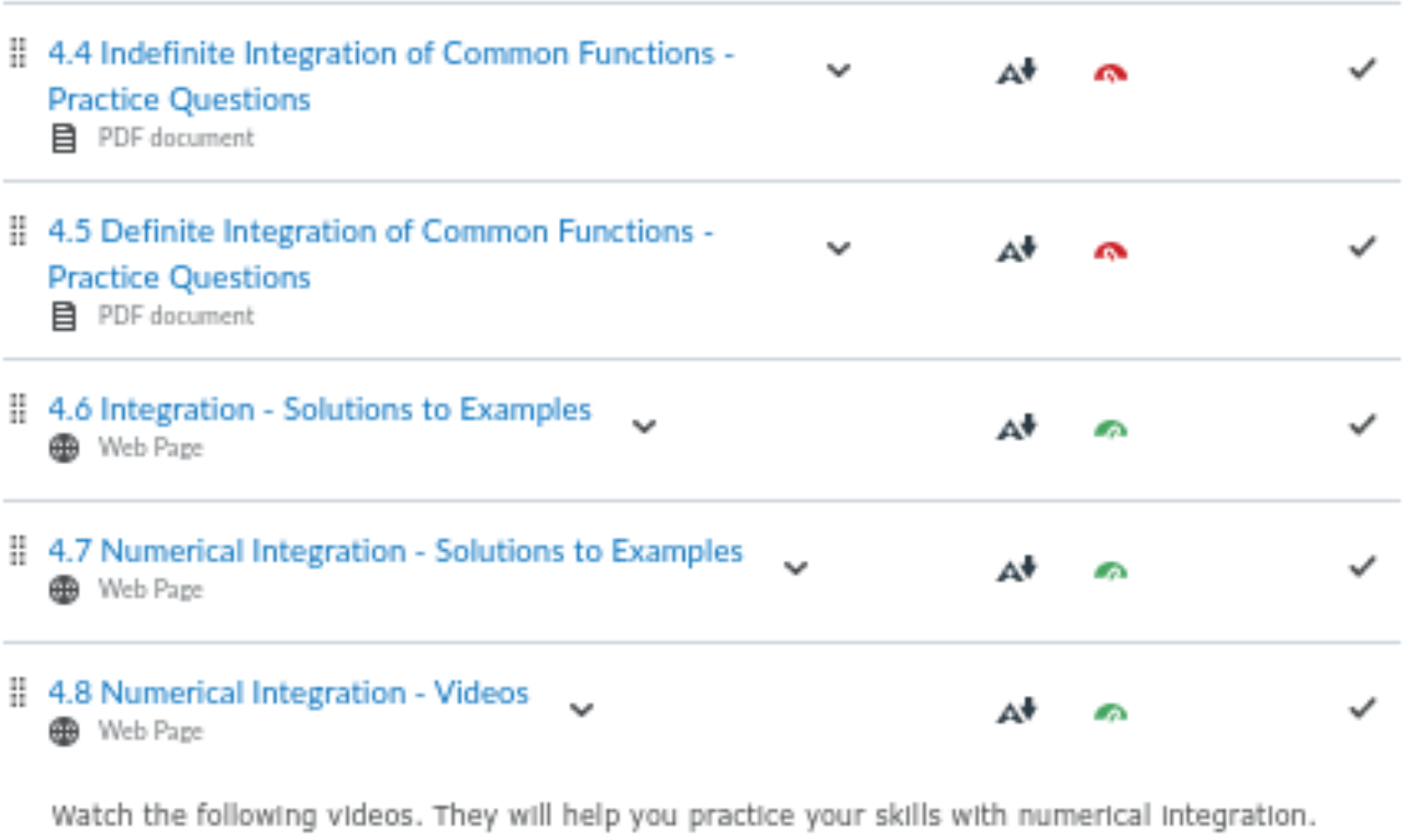
Indexing

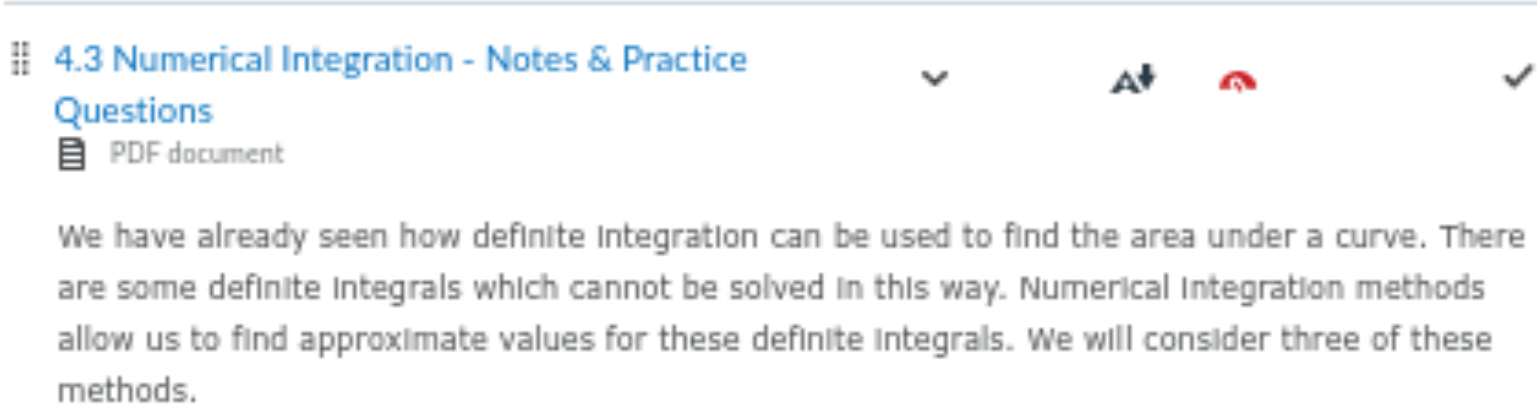

4.4 Indefinite Integration of Common Functions - Practice Questions
PDF document
4.5 Definite Integration of Common Functions - Practice Questions
PDF document
4.6 Integration - Solutions to Examples
Web Page
4.7 Numerical Integration - Solutions to Examples
Web Page
4.8 Numerical Integration - Videos
Web Page
Watch the following videos. They will help you practice your skills with numerical integration.

Decription of Task

Brief decription of the task and how it will be useful.

Where possible explain how it fits into the subject as a whole

Decription of Task



Decription of Task

4.2.4 Trigonometry 1: Radians Measure - Notes and Practice Questions

PDF document

At school we usually learn to measure an angle in degrees. However, there are other ways of measuring an angle. One that we are going to have a look at here is measuring angles in units called radians. In many scientific and engineering calculations radians are used in preference to degrees.

Any Questions