



"The curriculum is a sophisticated blend of educational strategies, course content, learning outcomes, educational experiences, assessment, the educational environment and the individual students' learning style, personal timetable and programme of work.'

Harden RM 2001 AMEE Guide No.21: Curriculum mapping: a tool for transparent and authentic teaching and learning. Medical Teacher 23(2):123-137





# What are the key elements of a curriculum?



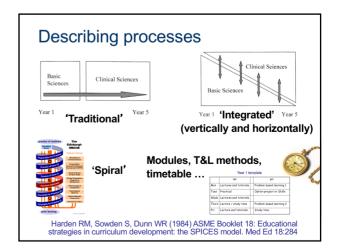
#### Aspects of a curriculum

- · Aims & outcomes
- Content
- Processes
- Teaching & learning strategies / methods
- Staff development
- Environment
- Assessment
- Model / map
- · Individual timetables

- Recruitment
- · Equality & diversity
- · Student learning styles
- · Student experiences
- · Student support
- · Policy & governance
- · Level & accreditation
- · Progression / interfaces
- Evaluation, QA, review Intended vs. taught vs. learned curricula
  - · 'Hidden curriculum'







# **Describing content**

Aim / Intention: to build a house Goal: to have a house to live in

Content / Syllabus: all materials in order

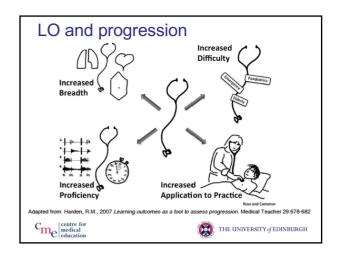
Outcomes framework: architect's plan & elevations Objectives: precise location & function of each part

Alignment: materials, tasks & house all follow plan Competency: tests confirm all parts complete

Capability: it's ready for someone to move in Performance in Practice: it's nice to live in



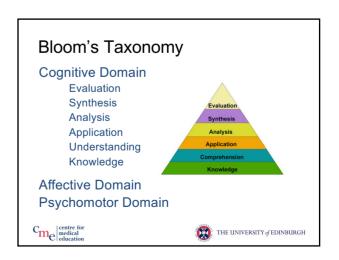












## Advantages of Outcomes

- · Comprehensiveness
- Transparency
- · Stakeholder consultation · Different levels
- Comparison / mapping
- Flexibility
- · Framework for T.L.A.
- Regulation and QA
- 'Fitness for purpose'
- 'Graduateness'
- · Self-directed learning
- Progression
- · Branching design
- · Integration
- Mobility
- Interdisciplinary





## Potential disadvantages of LO

Potential for distortion towards easily-measurable

Risk pitching at 'lowest common denominator' vs excellence

May not know all capacities required for 'expert' performance

Risk of becoming too detailed & restrictive (cf objectives)

May be insufficient detail / ambiguity, not 'operationalisable'

Concerns about process of LO development

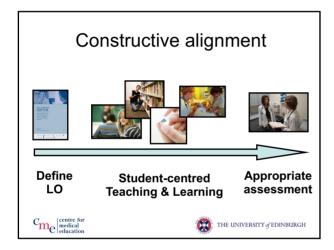
Impersonal requirements, without sense of ownership

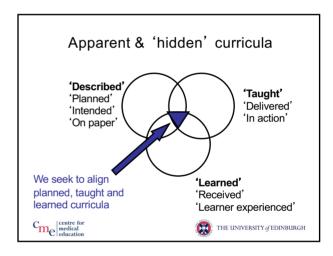
Potential for manipulation by ignorant media / politicians / others

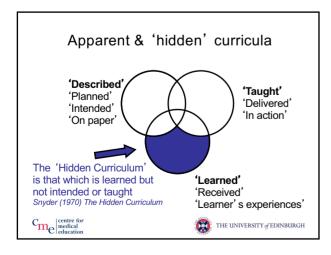
Social policy / 'authoritative allocation of values' (Easton 1953)

centre for medical education



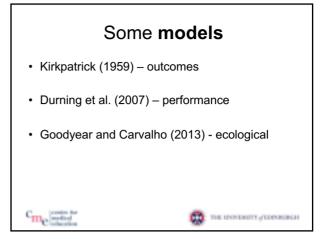


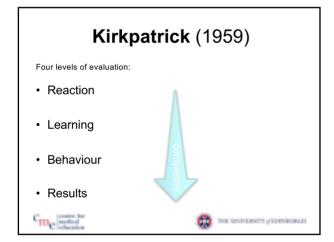


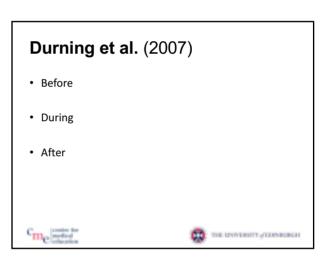


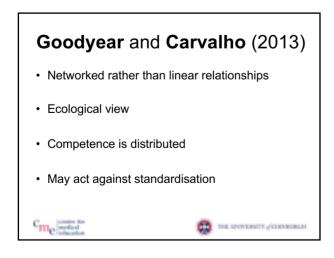
#### TASK You have been asked to submit a proposal for a new introductory ethics course for MBChB-Y1, to be delivered over 8 weeks and take up-to 6 hours per week alongside other courses, addressing the following learning outcome: Demonstrate critical understanding of basic ethical principles and their application to medical practice 5 min steps - 1. "Operationalise" the learning outcome 2. How might students achieve the LO? 3. How might it be assessed? 4. Consider practical issues (e.g. cost, stakeholders, staff) THE ENVIRONT / EDENBURGH

# Reasons for Programme Evaluations

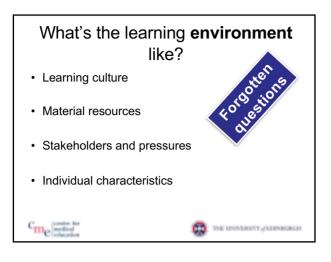


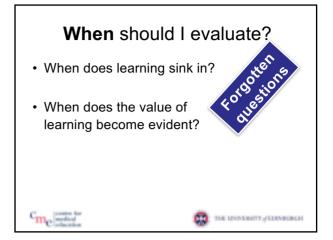












# What does everything cost?

- Did we measure how much things cost in money, resources, time?
- · Was it worth it?
- What else could we have done with those resources?
- Could we do as well (or well enough) with lower cost?

## **Stakeholders**

- University
- Health institutions (e.g. NHS)
- Students
- Teaching staff (inc. appraisal)
- Regulatory bodies (e.g. government agencies)
- Future employers / patients
- Conflicting needs / expectations







### Performance indicators

#### Example 1

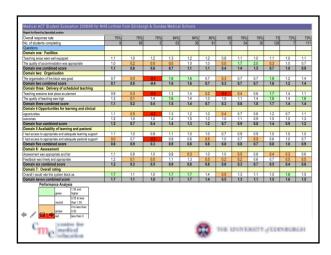
- Thing we're interested in: Year 5 feedback
- Performance indicator: feedback was timely and appropriate, Likert scale (1-5)
- Benchmark: (average 4/5)

#### Example 2

- Thing we're interested in: MSc tutorial timeliness
- Performance indicator: Did tutorials start on time?
- Benchmark: (90%)







# Collecting student feedback

- Questionnaires: effective design / format / flexibility
- Focus Groups
- Data: sampling / fatigue / validity / quantity
- Transparent reporting closing the loop





## Student Surveys

Different types:

- Student satisfaction
- · Student perceptions of quality
- · Student engagement



## Not just student feedback

- Staff feedback balanced view
- · Exam results data
- External examiners reports
- Graduates in first job and their supervisors





#### **Task**

 Plan an evaluation of a curriculum (your group's or the top-voted group's)



#### **Evaluation References**

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  evaluation: an approach for evaluating a course, clerkship, or components of a
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- Kreiter, C.D., & Lakshman, V. (2005). Investigating the use of sampling for efficiency. *Medical Education* 39, 171-175.



