

Penelope Engel-Hills South Africa



What are the key issues?

Why?

Reasons Why the curriculum should or should not change

What?

What can/should/should not change in the curriculum

How?

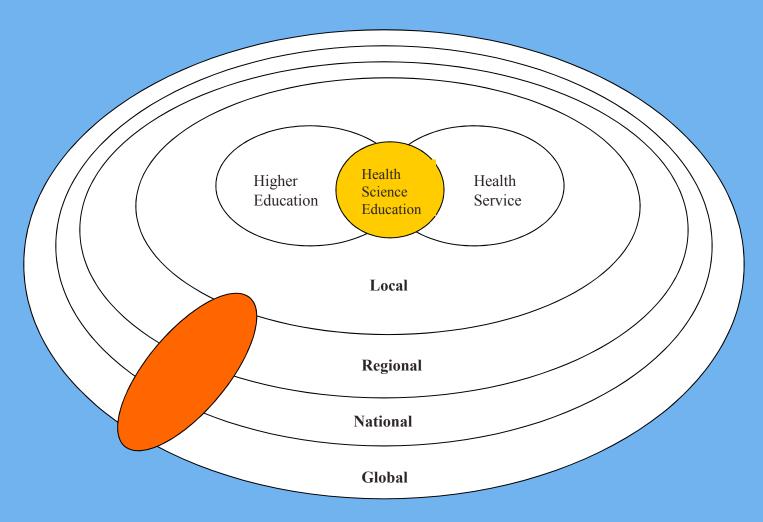
How can we can make changes to the curriculum

Professional Education for a changing world

"... in a context of rapid socio-cultural, political, economic and technological change, higher education institutions have a responsibility to endeavour to prepare graduates who are able to manage and respond effectively to change and its inherent demands, challenges and tensions"

Sumsion and Goodfellow (2004:329)





The changing context



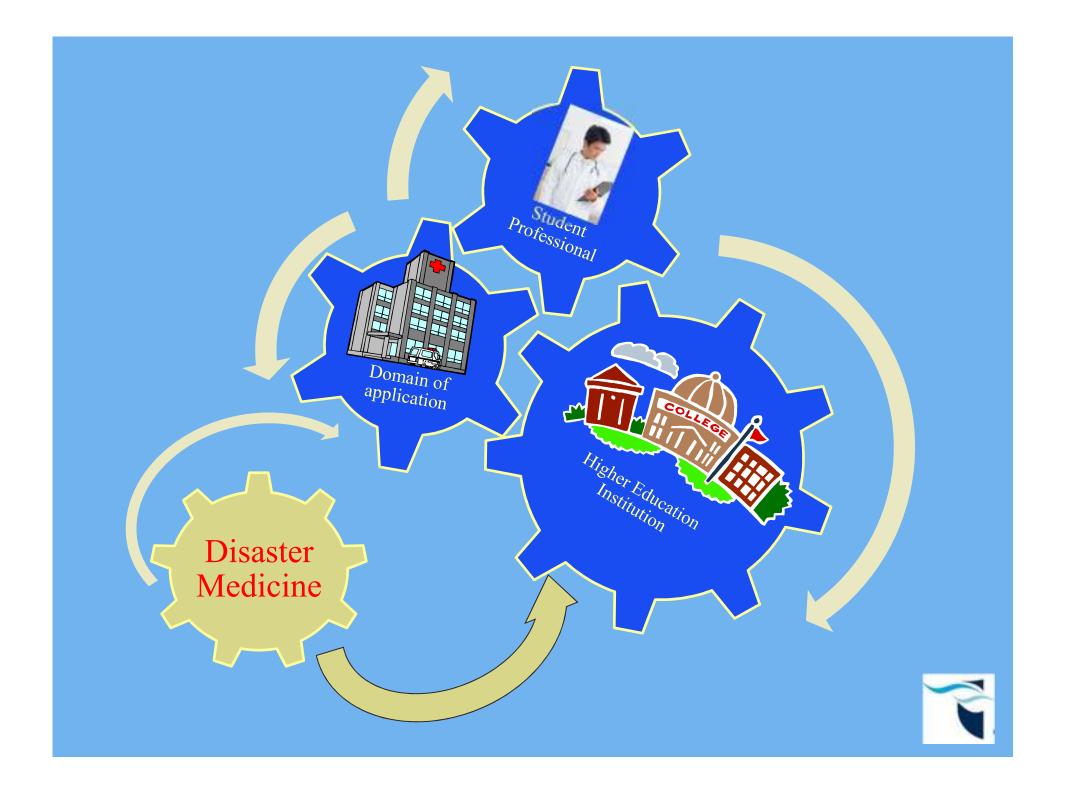


WE MUST BE THE CHANGE

... we wish to see in the world. ~Ghandi







Competence for Practice

Source: Allen & Van der Velden (2007:14)

Interrelated areas of competence	Items linked to each area
Professional expertise	 Mastery of own field or discipline Analytical thinking Ability to assert authority
Functional flexibility	 Knowledge of other fields or disciplines Ability to rapidly acquire new knowledge Ability to negotiate effectively
Innovation and knowledge management	 Ability to use computers and the internet Ability to come up with new ideas and solutions Willingness to question your own and others' ideas Alert to new opportunities
Mobilisation of human resources	 Ability to perform well under pressure Ability to use time efficiently Ability to work productively with others Ability to mobilise the capacities of others Ability to make your meaning clear to others Ability to coordinate activities

Vision 2020 statement CPUT Graduate Attributes (2011)

Our student should be:

- Technologically adept both in the ability to use technology and in their capacity to apply knowledge in real life issues;
- -Eminently employable because they have a solid disciplinary knowledge base and the capabilities to apply this knowledge;
- Socially responsive in the sense that they should be aware of the important social issues in South Africa and be able to apply their knowledge and skills to address social needs;
- In line with one of our cross-cutting themes, our students should be innovative in their thinking and actions;
- All our graduates should be environmentally conscious.

Are these GA statements in the Vision 2020 explicit enough to embed in the curriculum?

University of Edinburgh

Enquiry and Lifelong Learning

Graduates develop a core knowledge base in their academic field enhanced by exposure to cutting edge research and the processes of discovery and knowledge generation. This will stimulate a lifelong thirst for knowledge and learning and encourage a pioneering, innovative and independent attitude.

Aspiration and Personal Development

Graduates will be able to maximise their potential by utilising their abilities, academic excellence and justifiable confidence, underpinned by honest self awareness, to take personal responsibility and grasp opportunities for self development.

Drivers of Graduate Attributes

Employable

Respond to a changing world

Agents of social good and social change

Prepared for lifelong learning

Engaged curriculum

(Barnett & Coate, 2005)

Knowing (knowledge)

 What kinds of knowledge are required in the curriculum in response to disaster recovery?

Doing

(skills & competencies)

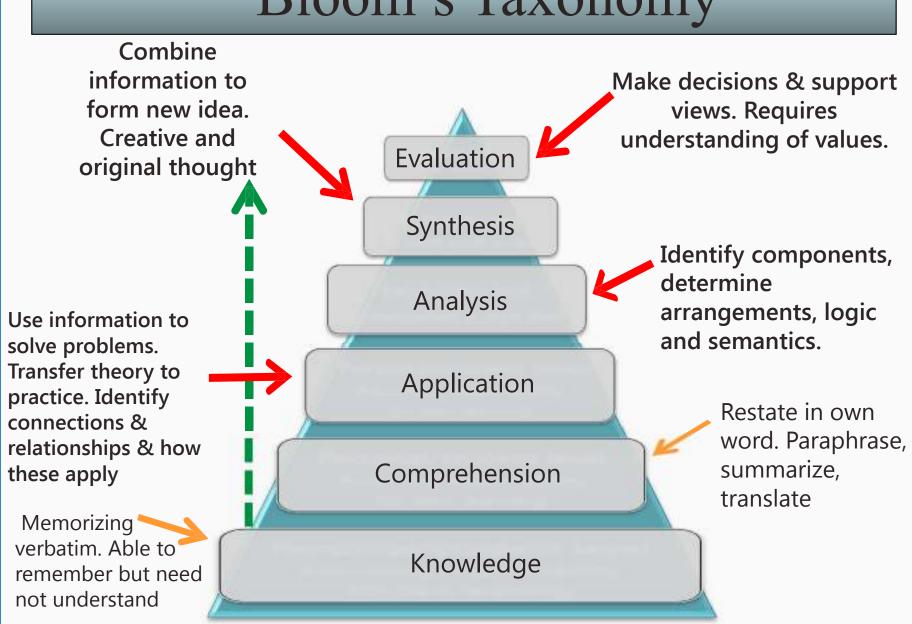
What kinds of skills, actions and competencies are relevant to professional practice in this environment?

Being

(dispositions, attitudes, traits)

• What dispositions and attitudes should medical students have to make a meaningful contribution to disaster recovery?

Bloom's Taxonomy



Applying Bloom's Taxonomy in the Health Care Learning Environment

Create / Transfer (Evaluation)

Analyse (Analysis)

Evaluate (Synthesis)

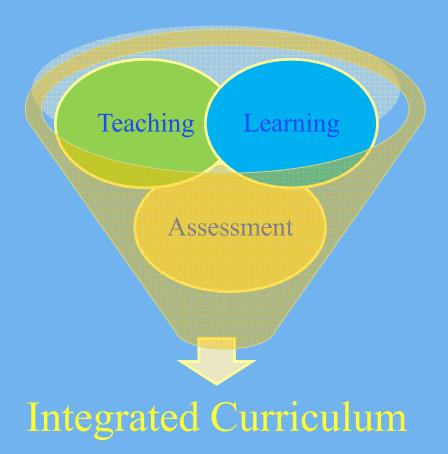
Remember (Knowledge)

Understand (Comprehend)

Apply (Application)



Curriculum Response





Rationale and Characteristics of an 'Integrated Learning Curriculum'

Metalearning

- Learn to learn
- Able to adapt to rapid change

Transparent learning objectives

- Expectations known
- Work towards clear goals

Integrated organisation

- Themes
- Problems/Scenarios
- Real world problems (disaster recovery)



Integrated contextual learning

- Simulates real world
- Transfer between domains
- Innovative curriculum

Team learning

- Inter & intra professional collaboration
- Develops competent caring professionals

Sustainable assessment

- Aligned to integrated teaching and learning
- Promotes changing clinical practice



TYPOLOGY

Absent Thematic Modular

Passive Supported Phased

Systems Parallel Active



Student Participation

Passive Conservative Moderate Considerable Active

STUDENT PARTICIPATION

Formative Assessment

Summative Assessment

Check understanding & plan learning
Consider additional learning activities
Respond to student needs to promote success

Information about achievement
Grading Marks Promotion
End of a unit Compared against a benchmark

Examples of Assessment

Assign projects and observe performance
Written assignments
Tests
Ouestions

Mid term examination
Final clinical assessment
Paper Presentation
Final integrated project

Three overarching orientations

Health Care Professional Changing World

Knowledge & Competencies

Individual

Find new ways of being and doing

Foundational, core, professional, critical, innovative thinking, problem solving

Confident, capable, independent, adaptable, ethical disposition



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