



Evaluation of students' employability skills development and the use of radar diagrams in Personal Development Planning

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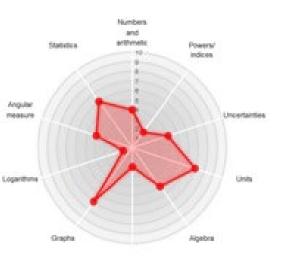
Staff Tutors in Earth and Environmental Science

The Open University

1.Background

- 2.Context
- 3. Research questions and approach
- 4. Results and Discussion
- 5. Conclusions

Outline



Proportionality

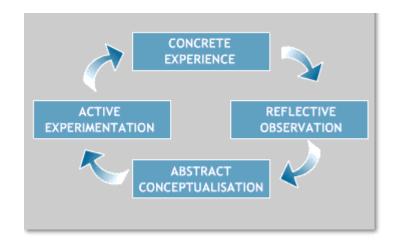


Background



The national picture

- Employability skills have to be embedded in all HE courses
- Key review Wakenham, 2016
- Skills development is strongly liked to Personal Development Planning (PDP)
- Students are encouraged to self-assess skills, and then reflect to plan improvements.
 - E.g. Kolb's Learning Cycle



Context

Skills development on S112

- Science: concepts and practice
 - New, multidisciplinary module from Oct 2017
 - 60 credits
 - FHEQ Level 4
 - Focussed on skills

- Students regularly self-assess skills using a radar diagram
 - Required in each of 6 assignments, with reflection







Context



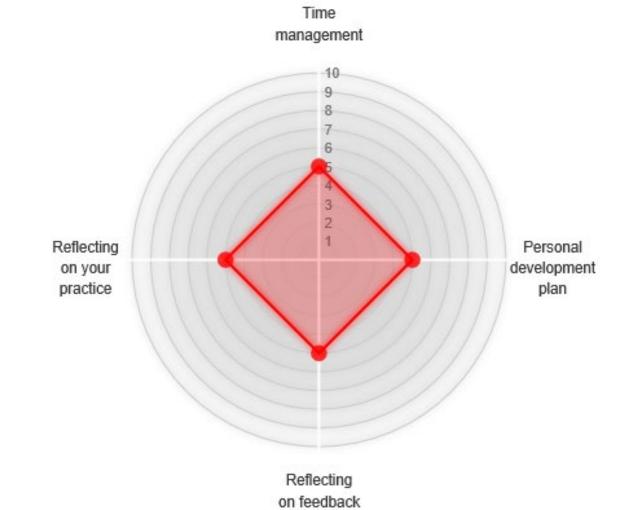
We looked at two groups of Learning Outcomes

1. Collaborating with others ...



Context





2. Self reflection and planning...

Research Question 1 and Approach



Tutor Focus Group

Assignment submissions

To what extent do students demonstrate development of employability skills through S112? Student Questionnaire

Research Question 2 and Approach



Student Questionnaire

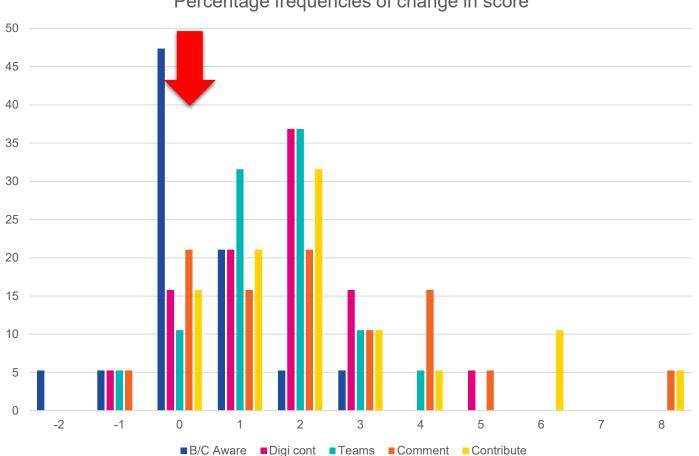
What are students' perceptions of their employability skills development through S112?

Tutor Focus Group

22/12/2023



Student assignments (n = 19) : Collaborating with others

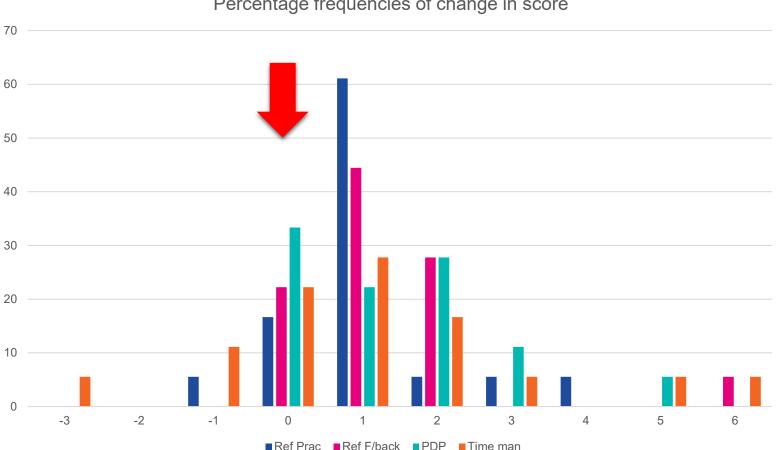


Percentage frequencies of change in score





Student assignments (n = 18): Self-reflection and planning

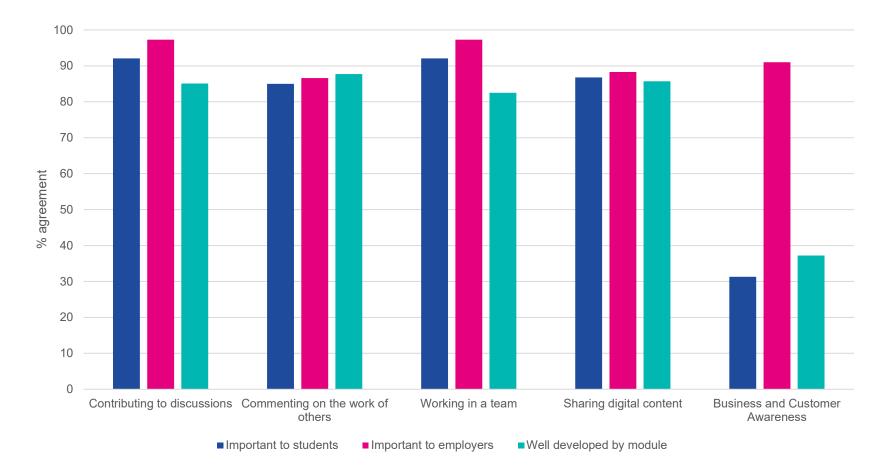


Percentage frequencies of change in score



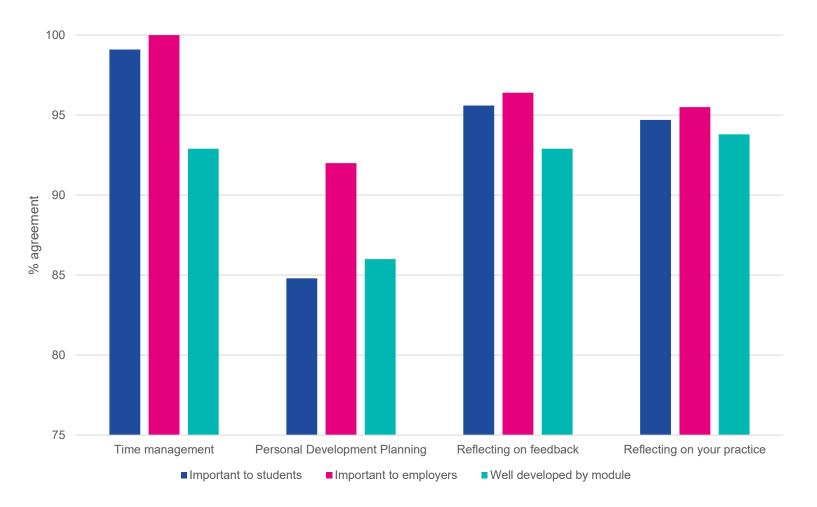


Student questionnaire (n=115, 18%): Collaborating with others





Student questionnaire (n=115, 18%): Self-reflection and planning





Student Questionnaire (n=115, 18%): 93% used radar diagrams

100 90 80 70 60 50 40 30 20 10 0 Easy to understand Easy to use Focus on Assess skills Develop skills Used to get marks Easy to see progress improvement

■Agree ■Neither ■Disagree



Percentage agreement on radar diagram questions

Student questionnaire: main emerging themes



Theme	Sub-themes (number comments)
Time management	Negative (6) Positive (10)
Communication	Negative (3) Positive (4)
Group work	Negative (11) Positive (10)
Reflecting on feedback	Negative (0) Positive (7)
Radar diagrams as a tool	Negative (53) Positive (17) Just for marks (20) Problems self-assessing (40) Technical problems (18) Bad idea for progression (40) Good idea for progression (8)



Associate Lecturer Focus Groups

- Compared 3 ALs who participated in project with 3 ALs who weren't involved
- Both groups of ALs agreed on:
 - The importance of their advice to students
 - That the module developed skills well
- The ALs involved in the project provided richer information
- There was a difference when comparing the number of positive and negative comments on radar diagrams:

	Involved	Not involved
Positive	8	4
Negative	2	6

... could this be evidence of unconscious bias in the ALs involved? May affect the presentation of radar diagrams and skills development to students.

Conclusions



- Students showed improvement in self-assessment scores, except Business and Customer Awareness
 - Questionnaire supports this least valued skill
 - Embed at qualification level, not module
- Most engaged with radar diagrams to gain marks
- Majority found radar diagrams usable and understandable
- < 50 % students found value in radar diagrams for PDP
- Students struggle to self-assess at module start
- The role of AL advice is key can also affect student perceptions

References



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Any questions?...



Thank-you for attending

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