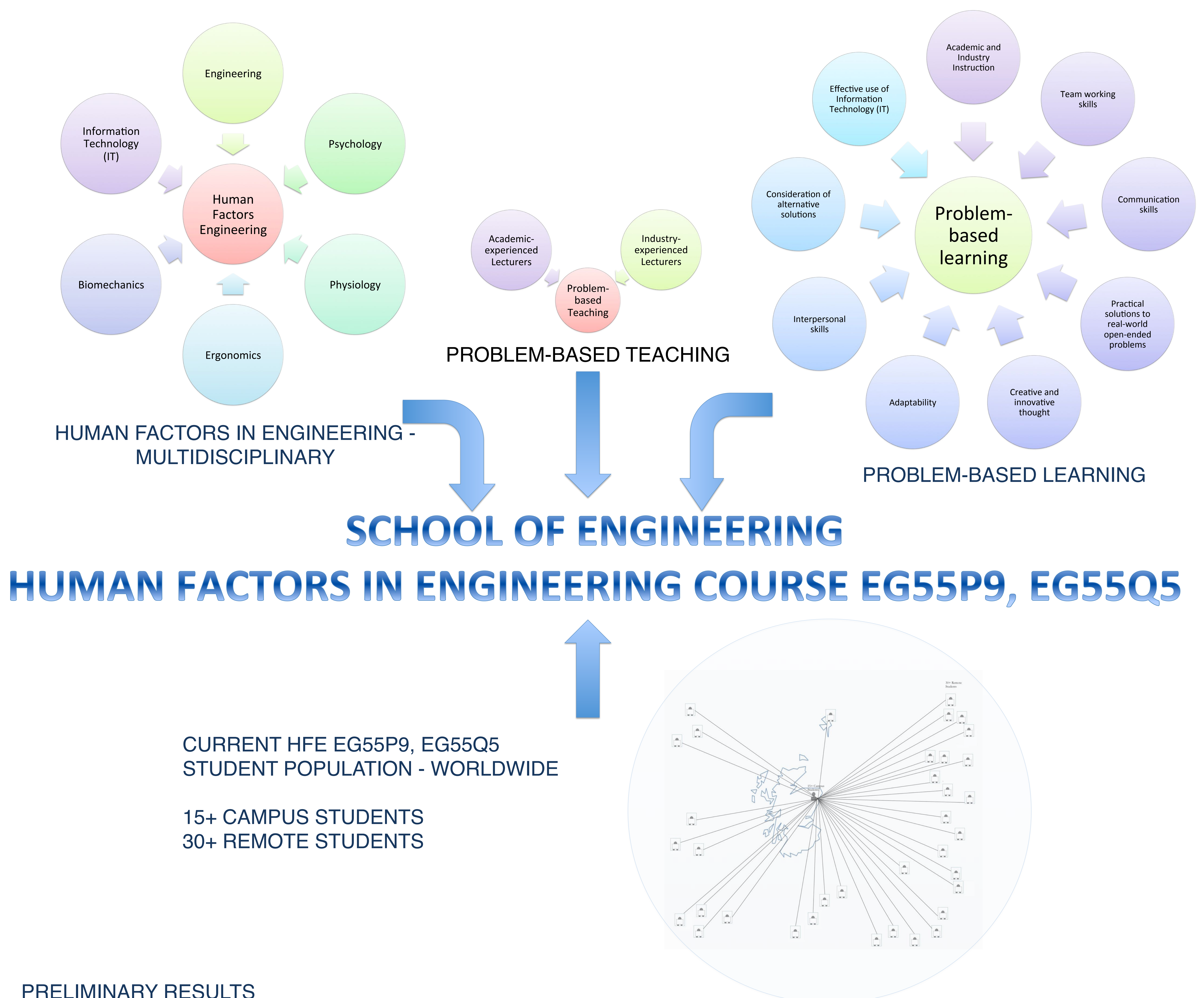


# EVALUATING PROBLEM-BASED LEARNING IN HUMAN FACTORS ENGINEERING AT THE SCHOOL OF ENGINEERING

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## SUMMARY

The School of Engineering at the University of Aberdeen is evaluating the introduction of problem-based learning to part of its postgraduate human factors in engineering course EG55P9, EG55Q5. The work is being funded by the Royal Academy of Engineering (2021 – 2024). It strongly aligns with the International Conference on Improving University Teaching 48<sup>th</sup> Annual Forum 'From Research to Practice', specifically the subtheme 'Best recent research on teaching and learning'. The introduction of this pedagogical approach at the University of Aberdeen seeks to provide a flexible and accessible learning environment for EG55P9, EG55Q5 course students worldwide, improve their long term knowledge retention and understanding, enhance their effective application of gained knowledge, and increase their employability globally.



## PRELIMINARY RESULTS

Preliminary analysis indicates that the majority of students (2021 – 2022) demonstrated a strong willingness to participate in problem-based learning on the course. Students reported, via course feedback, that the problem-based learning had resulted in a positive experience and that it had deepened their understanding of the taught topics. Whilst detailed qualitative and quantitative analysis of data collated as part of the work is currently ongoing, one early observation of concern was poor time management exhibited by some students.

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