EMBEDDING SUSTAINABILITY IN UNDERGRADUATE CIVIL ENGINEERING COURSES

A PRACTICAL GUIDE















What makes the sustainability different?

CHALLENGE ONE:

Complexity

CHALLENGE TWO:

VALUES-BASED DECISION MAKING

CHALLENGE THREE:

INTER-DISCIPLINARY WORKING

NINE PRINCIPLES FOR ENHANCING SUSTAINABILITY TEACHING

PRINCIPLE ONE

Sustainability is mindset, not a subjet

PRINCIPLE TWO

Establish the basic building blocks

PRINCIPLE THREE

See the whole picture (systems thinkings)

PRINCIPLE FOUR

Develop critical thinking to help understand different perspectives

PRINCIPLE FIVE

Learn from other stakeholders

PRINCIPLE SIX

Learn from other disciplines

PRINCIPLE SEVEN

Apply judgement to real problems

PRINCIPLE EIGHT

Emphasise a commitment to professional values

PRINCIPLE NINE

Take learners outside their comfort zones

REPORT AVAILABLE TO DOWNLOAD FROM:

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www.thinkup.org

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