

VU taxonomy	Explanation VU taxonomy
Knowledge base	Lower order cognitive level
General academic skills in applying knowledge and understanding	Higher order skills: analytic thinking, debating, reasoning, interpreting, developing a broader mind. <u>Learning goals 1-4 from academic core</u>
Program specific skills in applying knowledge and understanding	Higher order skills specific for the study
Open mind	The power of diversity leads to an inclusive view, new insights, innovations and scientific excellence, ability to question one's own position and to be open to other perspectives, to approach problems from multiple perspectives (see <u>learning goal 5 from gross academic value</u>)
Personal communication	hearing, seeing and knowing each other in a community of learners creating a positive learning culture, solving a problem in cooperation with others (see <u>learning goal 5 from gross academic value</u>)
Oral communication	with (a) laypersons, (b) peers and (c) experts
Written communication	with (a) laypersons, (b) peers and (c) experts
Own reflexive attitude and responsibility in society	Leading a group, planning a project (see <u>learning goal 5 from gross academic value</u>), community service learning
Responsible for own study career and study success	constructing personal learning goals based on reflections, selfmotivating, studyplanning

Dee Fink	Miller	Bloom	Romiszowski
Foundational knowledge	Knows	Cognitive domain: 1956: Knowledge & comprehension; 2014: Remember & understand	Factual, conceptual knowledge
Application	Knows how	Cognitive domain: 1956: Application, analysis; 2014: Apply, analyse	Reproductive skills: cognitive, psychomotor
Application	Knows how & Shows how & Does	Cognitive domain: 1956: Application, analysis; 2014: Apply, analyse & Psychomotor domain: Imitation, manipulation, precision, articulation, naturalisation	Reproductive skills: cognitive, psychomotor
Integration	Knows how, does, shows	Cognitive domain: 1956: Synthesis, evaluation; 2014: Evaluate, create & Affective domain: valuing, organizing, characterizing	Productive skills: cognitive, interactive, psychomotor, reactive
Caring	Knows & Knows how & Shows how & Does	Affective domain: Receiving, responding, valuing, organizing, characterizing	Reproductive skills: interactive, reactive; Productive skills: interactive, reactive
Application	Knows & Knows how & Shows how & Does	Cognitive domain: 1956: Synthesis, evaluation; 2014: Evaluate, create & Affective domain: Receiving, responding, valuing, organizing, characterizing	Reproductive skills: interactive, reactive; Productive skills: interactive, reactive
Application	Knows & Knows how & Shows how & Does	Cognitive domain: 1956: Knowledge, comprehension, application, analysis, synthesis, evaluation; 2014: Remember, understand, apply, analyse evaluate, create	Factual, conceptual knowledge; Reproductive cognitive skills; Productive cognitive skills
Human dimensions	Knows & Knows how & Shows how & Does	Affective domain: Receiving, responding, valuing, organizing, characterizing	Reproductive reactive skills; Productive reactive skills
Learning how to learn	Knows & Knows how & Shows how & Does	Affective domain: Receiving, responding, valuing, organizing, characterizing	Productive reactive skills

Dublin descriptor:
Knowledge and understanding
Applying knowledge and understanding
Making judgements
Communication
Learning skills