

REMEMBER	UNDERSTAND	APPLY	ANALYZE	EVALUATE	CREATE
to repeat or list information ¹ or procedures ²	to explain, paraphrase, organize, or exemplify information ¹ or procedures ²	to apply procedures ² , theories or skills on a known or similar situation ³	to break a situation ³ into parts or clusters ⁴ , and/or to identify what procedures ² , theories or relationships are applicable.	to assess information ¹ , procedures ² , tools, processes, skills , and/or products ⁵ on their quality ⁶ and/or significance in order to reach a conclusion, advice, decision, or proof .	To create original knowledge/ideas ⁷ , procedures, tools, or products ⁵

¹**Information** e.g. facts, terms, definitions/concepts, ideas, theories
²**Procedures** e.g. formulas, techniques, procedures, methodologies, rules, experiments, analyses
³**Situations** e.g. problem, experiment, data, process, research question, literature, list of specifications, computer program, or other information

⁴**Parts or clusters** e.g. causes & consequences, advantages & disadvantages, motives, stakeholders, and relations
⁵**Products** e.g. computer programs, designs, data, products, list of specifications, literature
⁶**Quality** e.g. reliability, validity
⁷**Knowledge/ideas** e.g. knowledge, theories, hypotheses, ideas, opinions, research questions

Example	Example	Example	Example	Example	Example
The student is able to define the following analysis methods: interpolation and classification.	The student is able to describe the movement of bony segments of the human skeleton system.	The student is able to calculate the shear and bending moment resistance of pre-stressed concrete structures, both statically determinate and statically indeterminate.	The student is able to derive equations describing the steady-state performance of the machines discussed during the course.	The student is able to synthesize results of their queries into a meaningful conclusion and to evaluate the quality of data.	The student is able to design systems engineering solutions through the use of requirements analysis and conceptual designs.

Verbs	Verbs	Verbs	Verbs	Verbs	Verbs
<u>Reproduce:</u> Duplicate, list, repeat, reproduce <u>Find/identify in e.g. a figure:</u> Label, name, recognise	<u>Explain</u> ^{EV} <u>Give examples:</u> Exemplify, give examples, illustrate ^{AP,CR} <u>In other words:</u> Paraphrase, rephrase, restate, summarize ^{AP,AN,CR}	<u>Apply general:</u> Apply, administer, develop / employ, perform, use, implement, make use of <u>Apply knowledge:</u> categorise ^{AN} , link ^{AN} <u>Apply specific procedures/skills:</u> calculate, compile ^{CR} , correlate ^{AN} , construct ^{CR} , evaluate, experiment ^C , illustrate ^{UN,CR} , interview, simulate, solve ^{AN,EV,CR}	<u>Analyse in general:</u> Analyse / appraise ^{EV} / examine / inspect / investigate / research / simplify ^{CR} / solve ^{AP,EV,CR} <u>Divide:</u> Breakdown / categorise ^{AP} / discriminate / dissect / divide / isolate / prioritize ^{EV} <u>Arguments in 1 direction:</u> Focus / highlight / motivate / point out / reason ^{EV} <u>Relationships:</u> correlate ^{AP} , infer ^{EV} , link ^{AP} , model ^{CR} , rank / reorganise <u>Select applicable procedure / theory / skill:</u> select, choose, simplify, model	<u>Taking into consideration:</u> Consider / deduct / reason ^{AN} / value <u>Working towards a conclusion*:</u> Appraise ^{AN} / assess / award / evaluate / grade / mark / rate / reason ^{AN} , solve a problem ^{AP,AN,CR} <u>Reaching a conclusion*:</u> Advise, conclude / decide / determine / judge / prioritize ^{AN} <u>Defending a conclusion* (or not):</u> Argue / convince / criticize / debate / disprove / dispute / influence / justify / persuade / prove / reason ^{AN} / recommend / support / validate <u>Discuss consequences/significance of conclusion*:</u> induce / infer ^{EV} / explain (results, consequences for stakeholders, society, etc.) ^{UN} ,	<u>Make something new:</u> Compose / construct ^{AP} / create / design / develop ^{AP} / discover experiment ^{AP} / invent <u>Change something:</u> Adapt / change / innovate / modify / reframe / revise / simplify ^{AN} / substitute / transform <u>Add something:</u> Add to / elaborate / extend <u>Improve something:</u> improve / maximise / minimise <u>Combine some things:</u> Combine / compile ^{AP} / integrate Specific: <u>New ideas:</u> Formulate, hypothesize, originate, propose, speculate, theorise, suggest <u>Drawing etc.:</u> Illustrate ^{AP} , visualise <u>Other:</u> Model ^{AN} , solve ^{AP,AN,EV} , program

* conclusion can also be an advice, decision or proof

UN, AP, AN, EV, CR Some verbs can be used in multiple levels of the taxonomy. This is indicated with the superscripts: UNderstand, APply ANalyze, EValuate & CReate.

Outcomes	Outcomes	Outcomes	Outcomes	Outcomes	Outcomes	
Definition Fact Label List	Reproduction Quotes	Annotated bibliography Collection Closed questions (true/false, multiple choice) Examples Explanation Label	List Outline Show and tell Summary Devise an encyclopaedia entry (for example a wiki)	Demonstration / Video demonstration Illustration Interview Performance	Presentation Role play Simulation Use formula's, program's, rules, techniques Calculation	
				Abstract Analysis of a case/situation Case presentation for an interest group Chart Checklist Comment on the accuracy of a set of records	Database Graph Observation of real or simulated professional practice Report Spreadsheet Survey	
					Advise / Letter of advice Essay Evaluation Judgement Opinion Recommendation Report Review (book /article review for a journal) Survey Verdict	
					Computer program Design plan/blueprint/scheme/drawings Exam questions Game Paper (conference paper) Plan	Portfolio Project Proposal (research proposal/draft) Prototype



