

Appendix 1: Nutrition Competency Framework

Competency		Description
K1	SCIENCES	Demonstrate understanding of the basic sciences in relation to nutrition
K2	PREVENTION	Demonstrate knowledge of the interactive role of nutrition in health and the prevention of disease
K3	TREATMENT	Demonstrate knowledge of evidence-based dietary strategies for prevention and treatment of disease
K4	FOOD	Demonstrate awareness of food sources of nutrients, food habits and the cultural and social importance of food
S1	RISK	Demonstrate skills in the identification of nutritional risk, nutritional deficits and excesses
S2	CRITICAL	Demonstrate ability to interpret nutrition evidence in a critical and a scientific manner and apply appropriately in clinical practice
S3	APPLICATION	Demonstrate ability to apply basic dietary strategies for prevention and treatment of medical conditions, disease and trauma, with recognition that many nutritional issues require specialist management by a dietitian
S4	ETHICS	Demonstrate the ability to apply principles of ethics related to nutritional management
S5	TEAM	Demonstrate ability to work effectively in a team with other health professionals to deliver optimal nutrition care

Appendix 2: Example of an MCQ addressing 3 different nutrition competencies

A 70-year-old man was administered total parental nutrition (TPN). A day after starting TPN a blood sample showed: Total calcium 2.06 mmol/L (2.05 -2.56); Phosphate 0.3 mmol/L (0.8 -1.4). What is the most likely explanation for the low serum phosphate?

A. Increased loss of phosphate in the urine; B. Increased loss of phosphate through the gut; C. Increased utilisation of phosphate due to increased glucose uptake; D. Increased utilisation of phosphate due to decreased glycolysis; E. Increased formation of calcium phosphate complexes.

Nutrition competencies addressed:

K3 - Demonstrate knowledge of evidence based dietary strategies for prevention and treatment of disease; S1 - Demonstrate skills in the identification of nutritional risk, nutritional deficits and excesses); S2 - Demonstrate ability to interpret nutrition evidence in a critical and scientific manner and apply appropriately in clinical practice

Appendix 3. Percentage of nutrition related content in all questions plus MCQs and SAQs in year levels 1 and 2 (2013-2016)

Year	Year level	% total nutrition related Questions	% nutrition related MCQs	% nutrition related SAQs
2013	1	6	5	12
	2	9	9	12
	<i>Mean of year levels 1&2</i>	7	7	12
2014	1	10	10	18
	2	10	8	26
	<i>Mean of year levels 1&2</i>	10	9	22
2015	1	6	6	15
	2	8	7	19
	<i>Mean of year levels 1&2</i>	7	6	17
2016	1	12	10	23
	2	9	9	14
	<i>Mean of year levels 1&2</i>	10	9	18

APPENDIX 4. Proportion of nutrition related questions expressed as a % of total marks

2013	Nutrition related Qs expressed as a % of total marks	Nutrition related MCQs expressed as a % of total marks	Nutrition related SAQs expressed as a % of total marks	2014	Nutrition related Qs expressed as a % of total marks	Nutrition related MCQs expressed as a % of total marks	Nutrition related SAQs expressed as a % of total marks
Year 1	6	5	12	Year 1	10	10	18
2	9	9	12	2	10	8	26
3	1	1	-	3	3	3	-
4	3	3	-	4	1	3	-

2015	Nutrition related Qs= expressed as a % of total marks	Nutrition related MCQs expressed as a % of total marks	Nutrition related SAQs expressed as a % of total marks	2016	Nutrition related Qs expressed as a % of total marks	Nutrition related MCQs expressed as a % of total marks	Nutrition related SAQs expressed as a % of total marks
Year 1	6	6	15	Year 1	12	10	23
2	8	7	19	2	9	9	14
3	1	1	-	3	7	7	-
4	3	3	-	4	7	7	-

APPENDIX 5 – Number of nutrition competencies covered in MCQs

Year	K1	K2	K3	K4	S1	S2	S3	S4	S5
2013	62	8	22	7	5	12	0	0	0
2014	59	1	24	1	8	0	1	0	0
2015	50	0	42	0	5	0	2	0	0
2016	71	0	19	0	3	2	2	0	0

APPENDIX 6 - Number of nutrition competencies covered in SAQs

Year	K1	K2	K3	K4	S1	S2	S3	S4	S5
2013	2	1	1	0	0	0	1	0	0
2014	5	1	7	3	1	0	1	0	0
2015	4	0	6	0	2	1	0	0	0
2016	9	0	6	0	0	2	1	0	0

