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Corresponding Author: Kirstin E. Ross, Professor, Environmental Health, College of Science and Engineering, Flinders University, GPO Box 2100, Adelaide, SA, 5001, Australia. Email: kirstin.ross@flinders.edu.au

Note. The authors submitted these supplemental tables as an extra resource should the reader want more information and has been posted online at https://www.neha.org/jeh-supplementals. The Journal of Environmental Health did not copy edit these tables.

Supplemental Tables

Table 1: US NEHS&PAC against Australian Skills and Knowledge criteria (see Tabel 2 for Australian Skills and Knowledge criteria)

US NEHS&PAC		Comparable Australian criteria (up to nine) taken from the columns to the le									
A. FOUNDATION COURSES											
1. NATURAL SCIENCES:											
Biological Sciences (Includes microbiology)	S2	S3	S4	S5	S10						
Chemistry (General and Organic Chemistry)	S6	ı	ı	I	ı	1	I	I	ı		

• Physics	S1	S9				
2. COMMUNICATIONS						
1) Informa on technology/computer skills;	C1	C3				

3) Technical wri ng. C1 C3 3. MATHEMATICS: R2 4. GENERAL EDUCATION: NA 5. OPTIONAL (ELECTIVES): NA
4. GENERAL EDUCATION: NA
E ODTIONAL (FLECTIVES).
5. OPTIONAL (ELECTIVES): NA
B. ~ A

Environmental Health

Injury and Violence Preven on NOT COVERED	- Uhadas as als su	T +C12		T		T	T	T	1	ı
COVERED	Hydrogeology	~512	3.2.2.3							
• Ins tu onal Health L1 L2 L3 L4 L7 L8 L9 L10 L17	Injury and Violence Preven on									
	• Ins tu onal Health	L1	L2	L3	L4	L7	L8	L9	L10	L17

total in field prac cum, internship,

2. Introduc on to the law making process and factors that influence policy and legisla on.
.e. mili eddo en te the law making process and lactors that initiating period and region em
_3. Knowledge of how to interpret legisla on.
.4. Knowledge of public and environmental health legisla on.
L5. Introduc on to development assessment processes.
_6. Introduc on to administra ve law (e.g. public sector record keeping requirements, privacy laws, freedom of informa on/right to informa on, disclosure, mandatory repor ng).
_7. Introduc on to grounds for internal and external reviews, appeals, etc
.8. Overview to workplace laws (e.g. an discrimina on, an harassment, work health and safety).
9. Knowledge of legal authority and requirements to act in accordance with the purpose of legisla on and ethical standards for authorised
persons/o cers (e.g. duty of care, confiden ality, powers of entry).
10. Knowledge of compliance op ons (legisla ve and non legisla ve) including their strengths, limita ons and legisla ve requirements.
_11. Introduc on to interwiewi ∄jp 2englisata dĐÀprocesson

L14. Overview of the jurisdic on and role of agencies relevant to environmental health in all ers of government.

L15. Introduc on to key government strategies and intergovernmental agreements in the context of environmental health.

L16. Introduc on to policy and program

P6. Introduc on to environmental and health impact assessment.

P7. Introduc on to and the understanding of environmental health objec ves, values,

S3. Introduc on to human anatomy and physiology as a basis for understanding disease causa on and exposure pathways.
S4. Basic principles of microbiology
S5. Knowledge of microorganisms of significance for human health.
S6. Basic principles of chemistry.
S7. Basic principles of ecology
S8. Basic principles of environmental science.
S9. Introduc on to atmospheric sciences as a basis for understanding environmental change, pollutant and vector dispersal.

3.2.2.1. Applied areas of knowledge: safe and suitable food	
3.2.2.2 Applied areas of knowledge: preven on and control of no fiable and communicable condi ons	
3.2.2.3. Applied areas of knowledge: water management	
3.2.2.4. Applied areas of knowledge: environmental management	
3.2.2.5. Applied areas of knowledge: land use management	
3.2.2.6. Applied areas of knowledge:built environment	
3.2.2.7. Applied areas of knowledge: Indigenous environmental health	
3.2.2.8. Applied areas of knowledge: sustainability and climate change	

3.2.2.9. Applied areas of knowledge:

Table 3: UK CIEH professional Standards v1.4 and comparable Australian Skills and Knowledge

CIEH UK Professional Standards Framework Descrip on (UK Professional

v1.4

	FST3: Food technology	Understand current and emerging	3.2.2.1.	L1.	L2.	L3.	L9.	L10.	L11.	L12.	L17.
		developments in food technology and									
		their impact on public health.									
•	CCTA. Nutri analasianas	Understand the seion fields	•	•	•	•	•		•		

FST4: Nutri onal science Understand the scien fic basis

HSL1: Health and Safety	Understand the relevant legisla on	L1.	L2.	L3.	L4.	L8.	L12.	L13.	L14.	L15.
Law	within the judicial system.									

HST1:

HL1: Housing legisla on	Understand the relevant legisla on within the judicial system.	L1.	L2.	L3.	L4.	L7.	L8.	L9.	L10.	L17.
HL2: Legisla on op ons	Understand the breadth of legisla ve	L1.	L4.	L5.	3.2.2.6.	M2.	M4.	P9.	E2.	E3.
in housing	op ons that apply to the resolu on of poor housing condions.									

HL3: Fire safety

	make to improve health and well								
	being.								
PPL1: Public health	Understand the purpose of public	L14.	P1.	P6.	P7.	P8.	L15.		
legisla on	health legisla on and the roles and								
	func ons of stakeholders.								
PPL2: Health inequali es	Understand the causes of, and factors	P1.							
	influencing, health and social								
	inequali es.								
PPT1: Popula on health	Understand the distribu on and causes	P1.							
and well being	of disease and ill health in popula ons.								
PPT2: Ini a ves and	Understand the importance of	P1.	E2.	l e Prod e	1000 1000 1000 1000 1000 1000 1000 100	neveriace	DINGLED, MODE	BSIGNED Q1101 T	P. 220015074

PPT2: Ini a ves and strategy development

Understand the importance of evidence based ini a ves to deliver short and long term health and well being strategies.

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PPT9: Port health	Understand how the port health	S11.	S13.	L14.	P5.	P6.		
	func on prevents and controls cross							
	border movement of public health and							
	environmental hazards.							
PPT10: Pest	Understand the principles of integrated	S11.						
management	pest management in order to minimise							
	the integrated impact upon human							
	health, safety and economic factors.							

EPT2: Sustainable resource

Table 4: US Exam Du es and Tasks and comparable Australian Skills and Knowledge

Exam Du es and Tasks content

Comparable Australian criteria (up to nine)

4	Perform food inspec ons	R3.	3.2.2.1.	L1.	L11.	L12.	L17.	R3.	
5	Perform wastewater inspec ons (i.e., onsite,	S12.	3.2.2.3.	L1.	L11.	L12.	L17.	R3.	
6	Perform potable water quality inspec ons	S12.	3.2.2.3.	L1.	L11.	L12.	L17.	R3.	
7	Perform recrea onal water inspec ons	L12.	L17.	R3.	S12.				

8 Perform solid, hazardous, and infec ous waste w a s t e

3	Perform environmental health inves ga ons	R2.	L1.	L11.	L12.	L17.	R3.		
4	Verify risk abatement	R2.	L1.	L11.	L12.	L17.	R3.		
5	Perform vector and pest inves ga ons	\$9.	S11.	R2.	L1.	L11.	L12.	L17.	R3.
D	Conduc ng Compliance Review								

4	Communicate environmental health risks	C1.	C2.	C3.	E1.	E2.	E3.	
5	Create environmental public health emergency response preparedness plans	3.2.2.9.						
6	Implement environmental public health emergency response preparedness plans	3.2.2.9.						

Table 5: Iden fied gaps

Table 5A: US NEHS&PAC gaps – where US NEHS&PAC does not fulfil the Australian Skills and Knowledge

C2. Knowledge of strategies to build collabora on, work in teams, mediate, educate, advocate, and influence outcomes and deal with distituations.
L5. Introduc on to development assessment processes.
L16. Introduc on to policy and program development and evalua on techniques.
R1. Introduc on to qualita ve and quan ta ve research methods covering research design principles and strategies, research ethics, methods of data collec on and analysis to support evidence based decision making in environmental and public health.
R3. Basic principles and techniques of sampling for environmental health purposes (e.g. environmental sampling, food sampling), including quality assurance.
R5. Problem solving using systems thinking and cri cal judgement.

S3. Introduc on to human anatomy æme vn5760 iFi b lod Brig Tc (c9 epub) o 22 22 0 Te kn t i d 5 m 2 30 te kn t i d

S14. Introduc on interpre ng building and engineering plans (e.g. building permits, development approvals).

Table 5B: UK gaps – where UK CIEH UK Professional Standards Framework v1.4 does not fulfil the Australian Skills and Knowledge

L6. Introduc on to administra ve law (e.g. public sector record keeping requirem507drcerng