

VU IN FOCUS 2016

COLLEGE OF HEALTH AND BIOMEDICINE

Dr Karen Lawrence
Director Learning & Teaching





How can they work together
if they don't learn together?

Types of Learning

- Case-based
- Interactive Lectures
- Laboratory based
- Simulated learning
- Self directed learning
- student led
- Clinical based

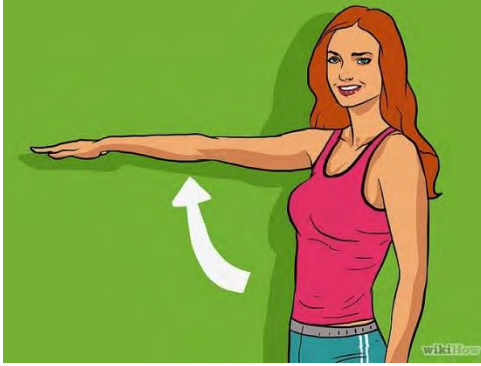
Movement

The following terms are used to describe all the possible movements of the joints in the body:

- | | |
|---------------|---------------|
| – flexion | extension |
| – protraction | retraction |
| – abduction | adduction |
| – elevation | depression |
| – supination | pronation |
| – inversion | eversion |
| – rotation | circumduction |

<https://www.youtube.com/watch?v=5YcNAPzDxDg>

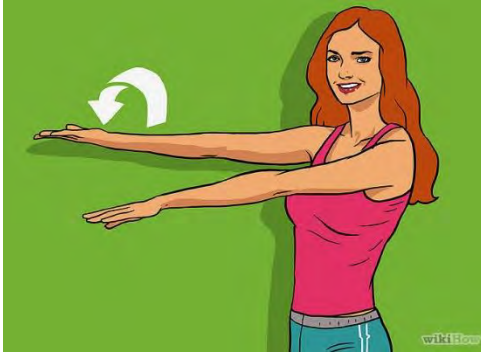
Shoulder flexion



Shoulder adduction, elbow flexion



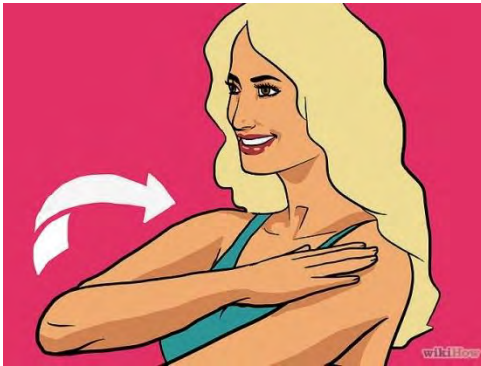
Hand supination



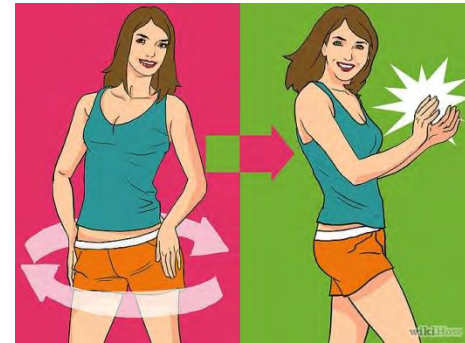
Elbow flexion, hip abduction



Elbow flexion, shoulder adduction



Hip adduction, elbow flexion plus hand apposition



Shoulder abduction, elbow flexion



Simulated Learning





VU Student led clinics



Werribee clinic

Building 12, 235 Hoppers Lane,
+61 3 9919 8199

City Flinders

301 Flinders Lane, Level 4
Phone: +61 3 9919 1111

St Albans Campus, Building 11N

Phone: +61 3 9919 2625

City King Campus, Room 5.003, Level 5

Phone: +61 3 9919 7897





Clinical Partnerships

- Partnerships with over 200 clinical agencies
- Primary partners with
 - Western Health (Footscray, Sunshine, Williamstown Hospitals)
 - Mercy/Werribee Health
 - Melbourne Health
 - Ambulance Victoria



Dermal Science

Courses

Bachelor of Dermal Sciences

- This is the world's only degree-level dermal therapies course offered by an English-speaking university.
- Links to Post Grad Nursing

Industry partners

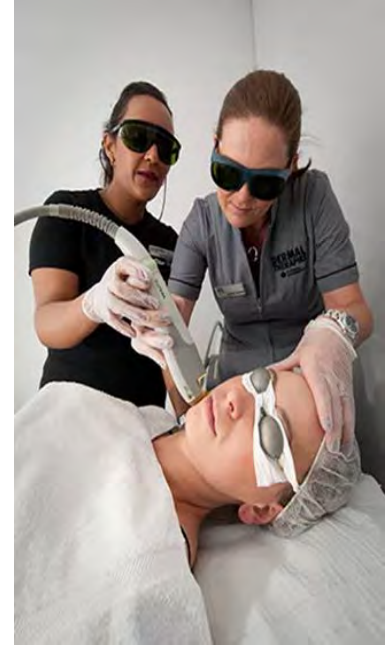
Strong connections with many industry associations (Beauty, Dermal and Medical)

Careers

Dermal therapist

Dermal clinician

The cosmetic surgery industry in Australia grew 5.3 per cent in 2012-13, with revenue of A\$789 million (IBIS World market research ([external link](#))).



Food, nutrition & dietetics



Current Courses

- Bachelor of Applied Science
- Honours and Masters research programs
- Doctor of Philosophy

Graduates

- Public health and health promotion
- Food processing industries
- Education and research institutes
- Government food laboratories
- Food wholesale and retail industries
- Food safety and regulation bodies
- Product marketing
- Food quality assurance
- Post-graduate studies
- Science teaching

Industry Partners

- Food industry associations and companies
- Community group
- Local councils

Research

- Our research is aligned with three Australian national priorities:
 - Promoting and maintaining good health
 - Frontier technologies for building and transforming Australia.
 - Environmentally sustainable Australia

Medical Physiology

Current Courses

- Bachelor of Biomedicine
- Bachelor of Science (Biomedical Sciences)
- Bachelor of Science (Biomedical and Exercise Science)
- Bachelor of Science (Honours) (Biomedical Sciences)
- Doctor of Philosophy

Research partners

- Western Centre for Health, Research & Education (WCHRE) - with University of Melbourne & Western Health
- Australian Institute of Musculoskeletal Science (AIMSS)
- University of Texas El Paso (UTEP)
- Centre for Chronic Diseases - VU
- Institute of Sports, Exercise and Active Living (ISEAL) -VU

Midwifery & Women's Health

Current Courses

- Bachelor of Midwifery/Nursing

Student preparation for practice

- simulated learning, intensive clinical instruction in placement and clinical assessment tool

Industry partners

- Sunshine Hospital at Western Health
- Epworth Freemasons
- Mercy Werribee

Research areas

- gestational diabetes,
- interprofessional education
- ethnicity and childbirth,
- normal birth



Nursing

Current Courses:

Bachelor of Nursing,
Masters and PhD – Research Only

Preparedness for practice

Theory

Laboratory practice

OSCE - hurdle

SDL Lab

VSim & On-line learning activities

Orientation

Professional Body

- ANMAC

Research

Chronic disease

Mental Health

Clinical learning

Professional Practice

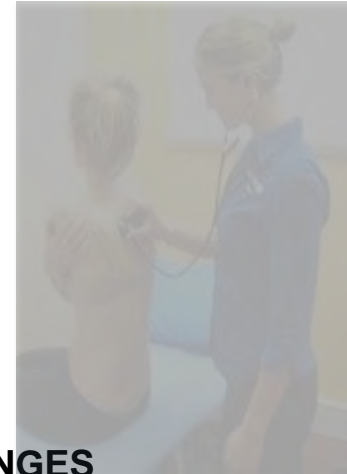
- Community
- Paediatric
- Mental Health
- Surgical/Medical
- Specialty (ICU, CCU, OT, PACU)



Osteopathic Medicine

COURSES CURRENTLY DELIVERED

- 4.5 year accredited course
- Double degree Bachelor of Science (Osteopathy) & Master of Health Science (Osteopathy)
- Emphasises case-based & integrated learning
- Clinical training in Years 3-5 in College
- Clinics prepare students to be work ready

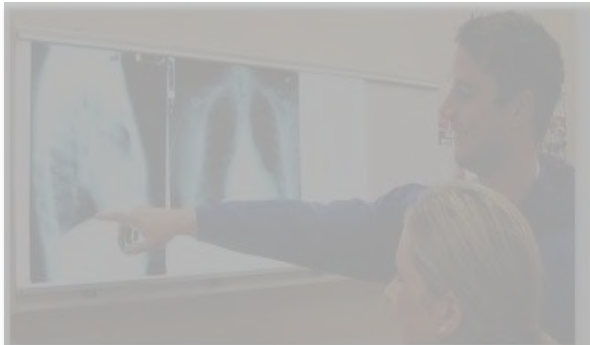


INTERNATIONAL STUDENT EXCHANGES

- British School of Osteopathy, London
- INDUSTRY PARTNERS
- Osteopathy Australia
- COCA (Chiropractic & Osteopathic Colleges of Australasia)

RESEARCH

- Active research in health, efficacy of osteopathy,
- biomechanics, clinical education



Paramedicine

Current Courses:

- HBPD Bachelor of Paramedicine
- HDPD Paramedicine Exit Diploma
 - HLT51015 Diploma of Paramedical Science (Ambulance)
- Bachelor of Paramedicine (Paramedics Conversion)
- Nursing to Paramedics Pathway

Clinical training:

- Skills practice
- Practical laboratories
- Clinical placements with industry partners

Research:

- Ph.D. and Honours program running
- Key research areas:

Clinical

- Manual handling/injury prevention
- Student experience
- Educational research

Industry partnership:

- Ambulance Victoria
- Pre-hospital emergency health service provider in Victoria
- Key employer of VU graduates

Recent graduates have also been recruited to work in the UK for London Ambulance Service and South Coast Ambulance Service



Public Health

Bachelor of Health Science

Graduates of this course can be expected to find employment in:

- public health and health sciences fields in health promotion and preventative health programs
- divisions of general practice and other medical organisations
- health and pharmaceutical industries
- consulting firms
- professional associations and health foundations
- public health research programs and
- policy analysis and development for government and non-government organisations.



Master of Public Health

Graduates are expected to find work opportunities both in Australia and internationally within:

- National, state and local governments
- The United Nations and other International Health Organisations (World Health Organisation, International Coalition for Aging and Physical Activity)
- Non-Government Organisations/ not for profit organisations
- Academic institutions and research institutions.

College of Health & Biomedicine



Open Day
28 August 2016
10am-3pm
Building P
Footscray Park

- Anatomy & cell biology
- Dermal science
- Food, nutrition & dietetics
- Medical physiology
- Midwifery & women's health
- Nursing
- Osteopathic medicine
- Paramedicine
- Public health
- Health science