

Laporan Kegiatan Seminar APTIFI

(Asosiasi Perguruan Tinggi Fisioterapi Indonesia)

Solo, 18-19 Januari 2018

Fakultas Fisioterapi, Universitas Esa Unggul

Pembicara:

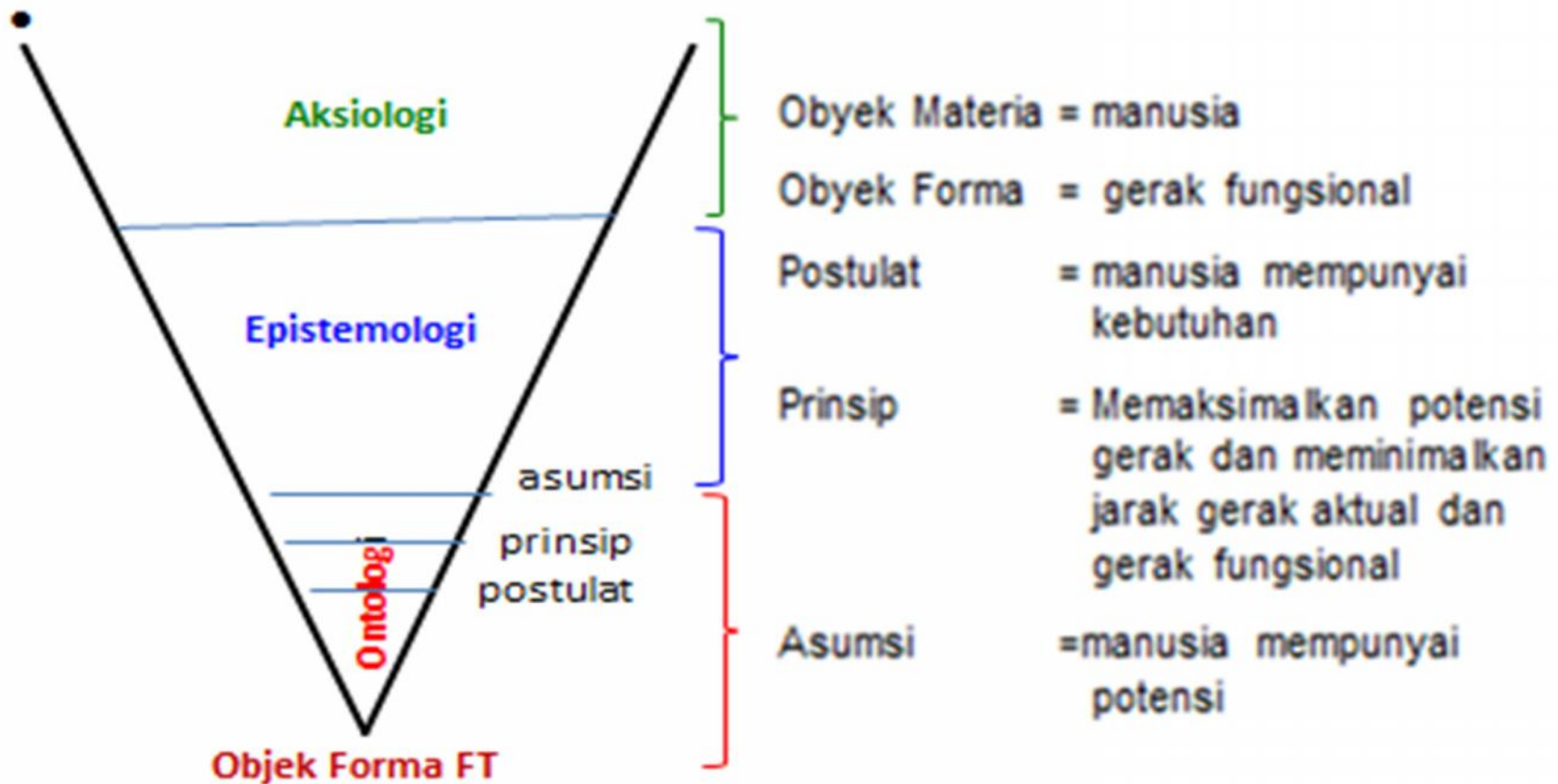
- 1. Professor Gillian Webb** → Executive committee, WCPT- AWP region, The University of Melbourne
“Body of Knowledge of Physiotherapy Science From The Perspective of Physiotherapists Around The World”
- 2. Mantana Vongsirinavarat** PT, PhD. → Deputy Dean for Education, Faculty of Physical Therapy, Mahidol University
“Body of Knowledge of Physiotherapy Science: A perspective from Thailand”
- 3. Heri Priatna** → Ketua Kolegium Fisioterapi Indonesia
“Body of Knowledge Physiotherapy”
- 4. Wahyuddin** → Perwakilan APTIFI
“Perspektif Pendidikan Tinggi Fisioterapi di Indonesia”
- 5. M. Ali Imron** → Perwakilan IFI
“Menilai Ulang Profesi Fisioterapi”

Physiotherapy Science

Physiotherapy is a combination of biophysics, psychology, social and other branches of knowledge to promote, prevent, interfere and recover disability of movement and function including the use of physical resources in the healing process such as: exercises, manipulating technique, cold, hot and also electrotherapeutic modalities.

Heri Priatna, 2018

STRUKTUR ILMU FT



Heri Priatna, 2018

“The Philosophy of PT Science”

Ontology:

Objek materia: Human

Objek forma: Motion & Function

Postulate: Human... Has Needed

Principle : Max...MAMP/ Min..PMC-CMC

Asumption: IND Has MAMP

Axiology.

PT Sciences: to explain, forecast, prevention, controlling & apply to Human as PT Object materia.

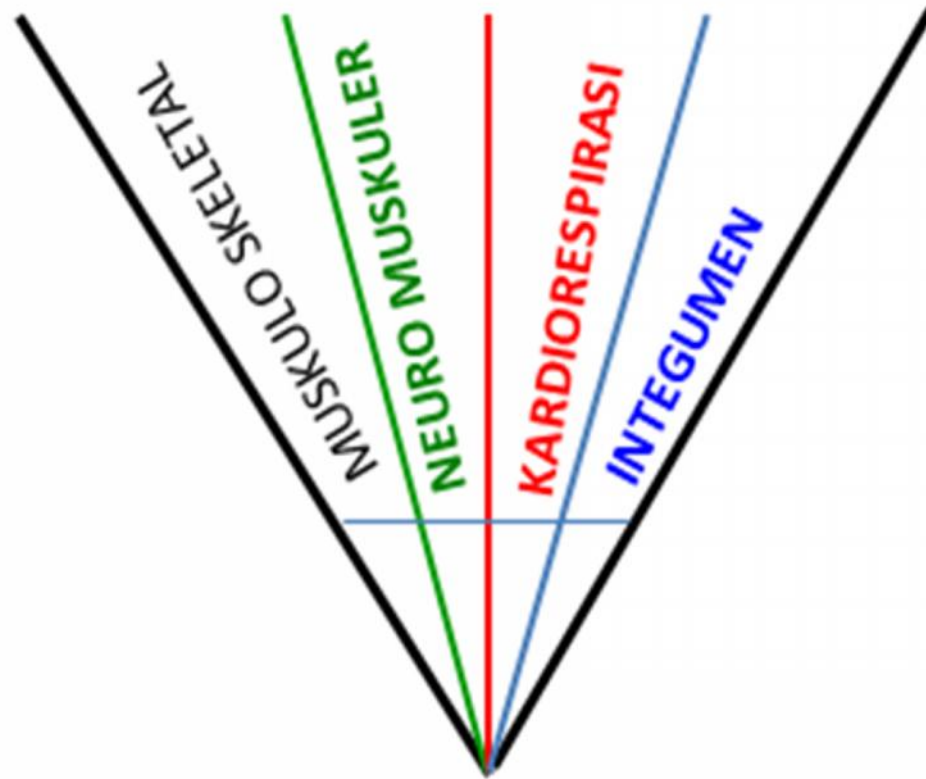
PT Sciences can be developed through theory, practice and research.

Epistemologi :

- Continuum Mov: anatomy, Phys, biomecanic-kinesiologi etc
- Limitation in motion and function : appear...Patologi dsb
- Therapeutic modality : the use of mechanical energy : massage, manual therapy ,Exc Therapy, IRR, UVL, US, SWD, MWD, ES, Elektro therapy, laser etc.
- Special concept/technique: William, Mc.Kenzy, Bobat, Kaltenbon, Mulligan, Kinesio Taping, NMT etc
- Senso motor & motivation : Psychology, behavior etc
- Cultural function: ethics, laws etc.
- Social function: communications, working together etc.

Heri Priatna, 2018

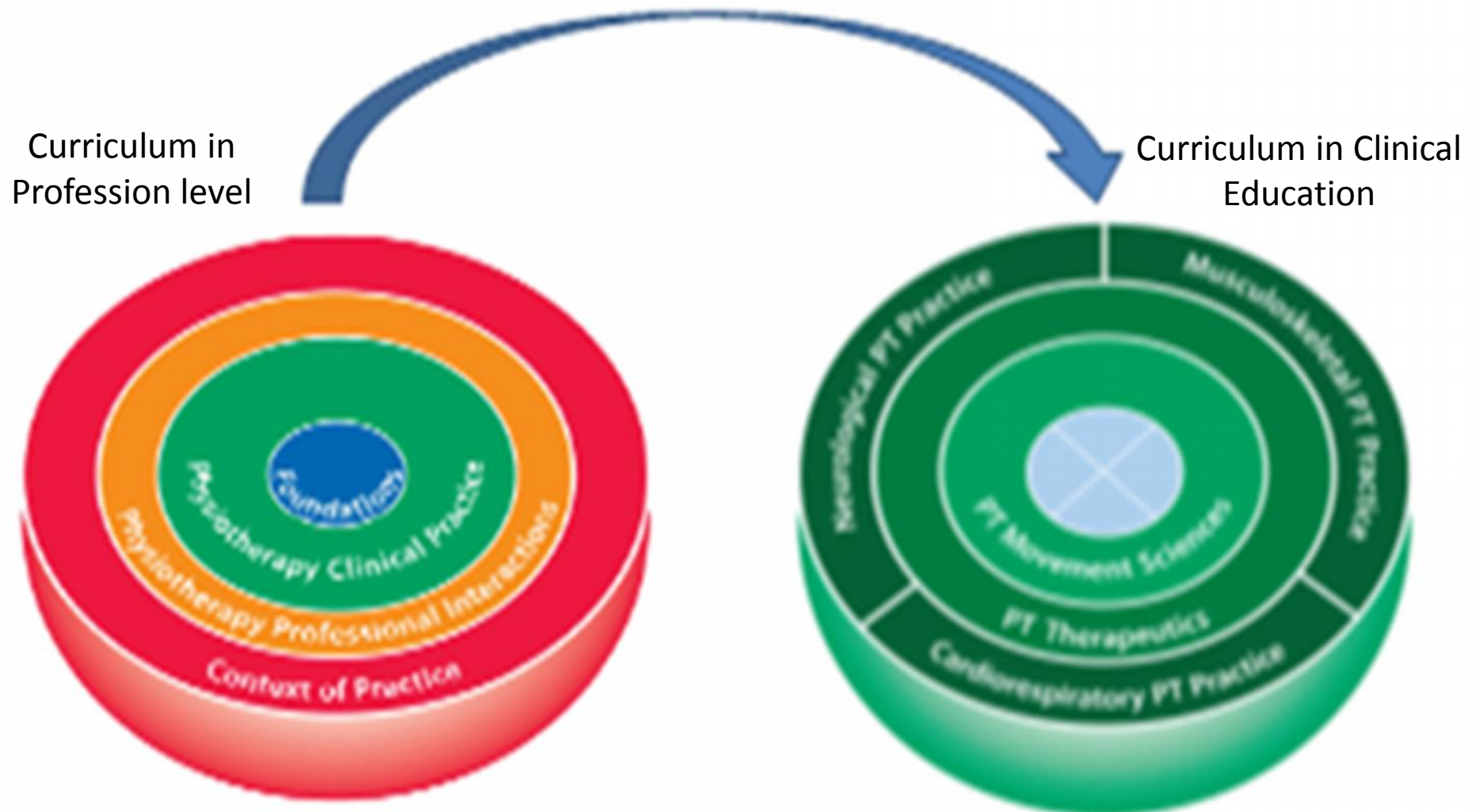
Specialization: Why???



We know because of our limitation, we can not learn everything & become an expert in everything..... That is why we have specialization

Heri Priatna, 2018

SCHEME OF CORE COMPETENCY OF PT THEORITICAL & PRACTICE



1. The competence core is decided by the current movement problem and functional.
2. Based on clinical data, most of the cases are Muskuloskeletal, Neuromuskuler and cardiorespiratory

PELAYANAN



PENDIDIKAN

M. Ali Imron, 2018

Emerging areas of knowledge and practice

- ▶ Health promotion
Core to physiotherapy. It is what we do most of the time
- ▶ Emergency situations
Tsunamis, earthquakes, outbreaks of epidemics
- ▶ Chronic disease management
Diabetes, Heart disease, musculoskeletal problems (obesity), cancer
- ▶ Mental Health
- ▶ Environmental Health
CR, Work accidents, traffic accidents, war

Gill, 2018

Perspektif Pendidikan Tinggi Fisioterapi Di Indonesia

Level Kualifikasi Sektor Pendidikan Dan Sektor Kerja



Pola ke arah pelayanan telah sesuai (pendidikan profesi → spesialis) Kajian mendalam ke arah pengembangan keilmuan

Wahyuddin, 2018

Kebijakan WCPT

- Otonomi organisasi profesi di setiap negara membuat kebijakan nasional terkait praktik spesialis
- Melalui proses formal pada tingkatan pengetahuan dan keterampilan klinis
- Menunjukkan kompetensi tingkat lanjut pada bidang spesialisasi

Kebijakan WCPT

- Keilmuan:
 - ilmu dasar & fundamental (anatomi, histologi, fisiologi, *imaging*, farmakologi)
 - ilmu perilaku dan sosial (psikologi, etika, sosiologi)
 - ilmu gerak (kinesiologi, biomekanik, latihan)

Kebijakan WCPT

- Keilmuan:
 - edukasi/komunikasi (latihan & kebugaran, latihan fungsional, manual terapi, pembersihan jalan nafas, perbaikan & proteksi integumen, modalitas elektroterapi, sumber fisis & modalitas mekanik
 - metodologi penelitian

Arah Pendidikan FT ke depan?

Pertimbangan Aspek Didaktik

- Penguatan ilmu-ilmu dasar (biologi sel & molekul, farmakologi, anatomi, histologi, fisiologi, neurosains dll)
- Fondasi ilmu gerak [(bio)kinesiologi, biomekanik, dll)
- Ilmu perilaku dan sosial
- Pengembangan aspek edukasi & komunikasi
- Kemampuan metodologi penelitian

Pertimbangan Aspek Klinis

- Kemampuan aplikasi *evidence-based practice* FT untuk peningkatan kualitas pelayanan
- Perubahan “*skilled hands technology*” ke arah “*a profession of problem solver*”
- Pengembangan otonomi dan kematangan profesi
- Pengembangan dasar keilmuan yang lebih dalam
- Respon klinis: peningkatan kompleksitas penyakit (pasien) dan kebutuhan kemampuan tingkat lanjut (FTs)
- Fokus penelitian → penegakan *body of knowledge* FT terkait konsep profesi

Arah Pengembangan Keilmuan FT

Master



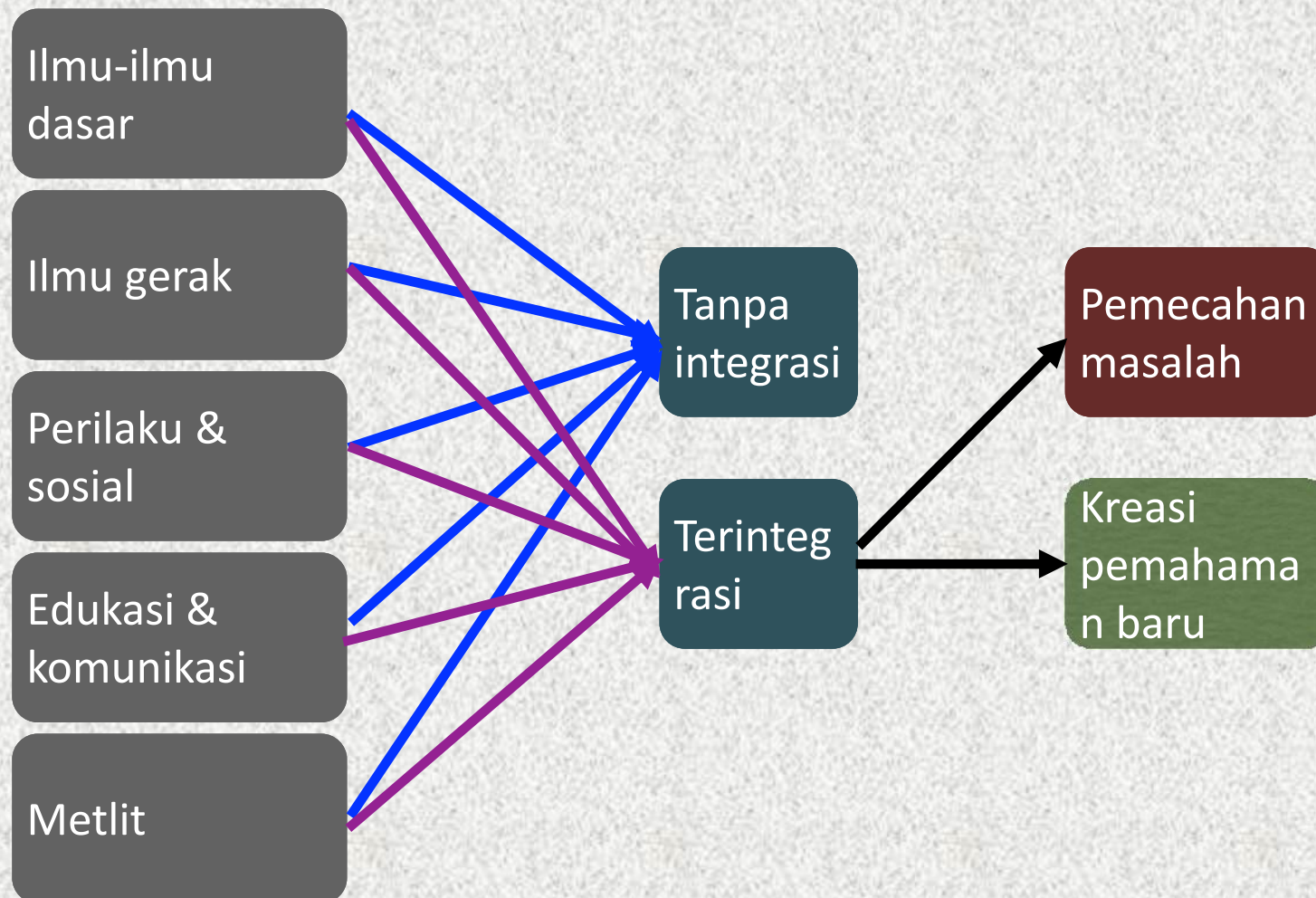
- Evaluasi dan pengukuran
- Metodologi penelitian
- Statistik
- Praktik berbasis bukti/*evidence-based practice* FT
- Motor control & motor learning
- Topik-topik kontemporer
- Pengembangan topik penelitian
- Biomekanik lanjut
- Integrasi fisiologi dan aplikasi klinis
- Etika penelitian
- Metode pembelajaran dalam FT
- Penelitian mandiri
- Praktik klinis FT lanjut
- Seminar
- Critical reading
- Diagnostic screening for PT

Doktoral



- Praktik klinis lanjut untuk penelitian
- Seminar
- Biomekanik olahraga dan aplikasi klinis
- Aplikasi ergonomi dalam MSD
- Perkembangan gerak
- Biologi sel dan molekul
- Pain science, e.g. biomedical & biopsychosocial model approach

Pendekatan Multi/Inter/Transdisiplin Pengembangan Keilmuan FT



- must consist of body of knowledge which will be transformed according to the progression of academic and profession
- **Five aspects of knowledge**
 1. Basic life sciences
 2. Basic health sciences
 3. Specific Knowledge of Physical Therapy Profession
 4. Health system, basic managements and administration of physical therapy services
 5. Research and academic progression

Major Contents of the Field

Graduate diploma	Master	Doctoral
<ol style="list-style-type: none"> 1) contents related to advanced physical therapy, physical therapy in specialized fields and other contents emphasizing analytical thinking with evidence-based 2) the professional skills in physical therapy in specialized fields 3) the research methodology and statistics 4) Research ethics 	<ol style="list-style-type: none"> 1) theory, knowledge and research results in physical therapy and related fields or updated professional skills 2) research methodology and statistics to use in academic research or professional practices 3) The analysis, critic, integration and application of research results, novel methods in professional practice and test the hypothesis including the recommendation of problem solving both theory and practice 4) the presentation methods of search and research results in different forms to the academic, professional and public audiences 5) research ethics 	<ol style="list-style-type: none"> 1) advanced theory, knowledge and research of physical therapy and related fields or updated and complicated advanced professional skills 2) current issues in frontline of professional including the challenges of issues on the recent practice and the acceptable conclusion 3) results from the dissertation or report from project, publication and medias referenced in academics and professions 4) advanced research methodology and statistics 5) research ethics

PTMU Program Learning Outcomes:

Professional Skill Focus

Bachelor	Post Grad Diploma
<ol style="list-style-type: none">1. Demonstrate physical therapy clinical skills including history taking, physical examination, differential diagnosis, identify and analyze problems, plan treatment and goal, treatment, re-evaluation, and discharge2. Demonstrate positive attitude and skills to seek evidences of physical therapy interventions and apply in clinical practice3. Demonstrate positive attitude and professional ethics in all life situations4. Communicate and collaborate effectively with Thai and English languages in clinic5. Demonstrate altruism by considering benefit of others and social society before self-interest	<ol style="list-style-type: none">1. Demonstrate leadership and collaboration with consideration of moral and ethics in professional practice for social benefit2. Demonstrate advanced clinical reasoning skill for clinical decision making using evidence based practice in specific condition3. Communicate by using professional English effectively4. Apply and analyze theoretical knowledge and clinical experiences for developing physical therapy knowledge systemically5. Apply professional skill to manage complicated conditions using advanced therapeutic techniques6. Critique and judge academic information for professional skill development

PTMU Program Learning Outcomes:

Professional Skill Focus

Master	Doctoral
<ol style="list-style-type: none">1. Produce physical therapy research in the publishable quality.2. Design evidence based management protocol for health problem related to physical therapy.3. Analyze and manage movement impairments with physical therapy interventions.4. Apply physical therapy equipment and advanced technology for treatment and research.5. Apply equipment and technology to collect and analyze the data.6. Present the appropriate ethical management in research and profession.7. Present the academic communication skills in verbal and written effectively.8. Present awareness of public mind and global citizen.	<ol style="list-style-type: none">1 Integrate contemporary knowledge in physical therapy and related research.2 Develop research that adds new knowledge and innovation to the physical therapy profession or to health care management.3 Effectively perform academic and research presentations in international conferences4. Show leadership in research and profession.5 Show responsibility to own or team's work in a productive and effective manner.6. Solve complicated moral and ethical problems in academic and professional contexts appropriately.



PT Education Current Trend and Plan in Thailand

Changes of

- Population structure
- Health need and health demand
- Technology
- Law and regulations

Trend

- Outcome Based Education
- Entrepreneur
- Specialization
- Evidence Based Practice
- Doctoral of Physical Therapy

Terima Kasih