



Faculty of Physical Therapy
Curriculum
2022 / 2023

CONFIDENTIAL

Vision

Faculty of Physical therapy will be the top all over the world as it introduces integrated Physical therapy program and traditional Chinese Medicine.

Mission

The graduate student will have the ability to compete not only on local level but on the international level, as he has an experience of integrating physical therapy modalities with Traditional Chinese medicine modalities, in addition to his ability to do a research work that gives him the ability of innovation and recreation in his career to help patients and society .

Faculty aims

1. Providing distinct and advanced teaching and learning.
2. Achieving excellence in the field of scientific research.
3. Building an advanced knowledge base.
4. Creating effective institutional capacity.
5. Establishing a total quality system and continuous development in accordance with international standards.
6. Endorsing the concept of "integrating western and eastern medicine" and achieving high quality of health care education and training.
7. Building partnerships with international universities.

The Regulating Rules for the Study List at the Egyptian Chinese University

Article (1): The Study System

The followed study system is the credit-hours system in which the academic year is divided into two main semesters: the first semester (fall) + the second semester (spring) 14 weeks each. In addition, there is a summer semester (duration of 7 weeks) in which the courses of study are determined according to the vision of the University Council.

Article (2): Credit Hours and Contact Hours

A credit hour is an academic unit of measurement to determine the weight of the course among other courses and is equivalent to one 50-minute weekly lecture, 100-minute weekly exercise or lab class, or 150-minute weekly clinical class or workshop. In general, the number of credit hours for a course reflects the expected outcome of the course, and it shows the time required to study the course and the nature of this study. Thus, the contact hours are the actual time spent in a lecture or laboratory.

Article (3): Registration (periods of registration, dropping, and addition)

Registration dates are announced in the academic calendar as follows:

- 1) Two weeks are allocated before the start of the semester along with the first and second week of the beginning of the semester for new students or continuing students in which the student with the help of his academic advisor registers and selects courses and divisions in addition to preparing his study schedule considering the actual and minimum academic load. Hence, the study begins with the start of the second week directly.
- 2) The student is considered registered if he has completed the registration requirements and paid the tuition fees. Late registration is allowed during the two, third and fourth weeks of the semester in addition that he pays a delay fine determined by the University Council. In the case of other emergency cases, the matter is presented to the university councils and submitted to the Education and Student Affairs Council to take the necessary action.
- 3) The student is allowed to drop and add during the second week only. Moreover, any reasoned exceptions are presented to the university Council for discussion and taking the necessary measures to solve them.

4)

Article (4): the Study Load

The study load is the sum of the credit hours registered by the student in a particular semester, and this load varies from one student to another according to his academic preparation and study level besides the circumstances of the academic schedule and its contradictions from one University to another. Consequently, the following matters should be considered in all cases as follows:

- 1) The actual registration limit is 18 credit hours per week, and it may increase to 21.

- 2) If the student's cumulative average is 3 or more and in the cases on which the student's graduation depends, this limit is exceeded in the semester with the approval of the academic advisor and the dean of the faculty, moreover that it does not exceed in any case 23 credit hours except the last two semesters in condition of graduation.
- 3) The minimum registration is 12 credit hours.
- 4) If a summer semester is extended, the maximum registration hours will be 9 credit hours, and it may reach 12 credit hours in cases of graduation.
- 5) Other cases of exceeding the upper and lower limits are submitted to the faculty's councils to decide what they see fit.

Article (5): Withdrawing from a Course

The student can withdraw from any course after the approval of the academic advisor and course professor until the end of the thirteenth week of the first and second semesters and the end of the fourth week of the summer semester, under one condition only is that he has not exceeded the percentage of absence set before withdrawal and the symbol "W" is indicated for him in those courses in calculating the student rate. If the student withdraws after the specified period, the student is considered to fail the course and a grade "F" is given to him.

Article (6): Suspension of Enrollment

The matters of complete withdrawal from the academic semester is organized according to the following rules:

1. The student can withdraw completely from the semester with the permission of the academic advisor and the approval of the university Council, if it does not exceed the end of the seventh week of the start of the first and second semesters and the end of the third week of the start of the summer semester.
2. The continuing student who did not register during the registration, dropping, and adding periods is considered to have withdrawn from the semester.
3. The faculty council considers withdrawal requests which are submitted after the end of the allowed period in the previous paragraph, and the council has the right to take the appropriate decision.
4. The number of semesters which a student withdraws from can not exceed four connected or separate semesters, except with the approval of the faculty Council and the Council for Education and Student Affairs.

Article (7): How to deal with the Assessment of "the incomplete"

The student obtains an incomplete grade if he obtains 50% of the minimum grades for the year's work and at least 75% of the grades of attendance and submits a compelling or sick excuse that prevents him from entering the final exam and is accepted in the faculty council.

As a result, the exam is taken in the first week of the following semester if the payment of administrative fees is made for performing the incomplete subject examinations.

Article (8): Transfer of Credit hours

The credit hours of some courses that the student has studied and completed successfully at another university or other scientific institution can be transferred to

the student's record after the proposal of the program coordinator and the approval of the University Council according to the following conditions:

- These courses should be included in the study plan of the study program.
- The credit hours transferred should not exceed 50% of the total academic program hours in condition of the same faculty.
 - In case of transferring from any other faculty in the medical field, student must spend 9 academic semesters.
- A scientific offset is carried out for equivalency of materials and estimates.
- These transferred courses appear in the student's academic record, while they are not included in the calculation of his cumulative average.

Article (9): Blended Learning

The study system allows some courses to be taught remotely via the Internet at different rates in practical and theoretical faculties determined by the University Council. In all cases, the final exam is held inside the university campus and some of the organizing instructions for this are inspired by interaction with the lecturer, submitting reports, studies, etc.

Article (10): Student's Attendance

Student attendance is considered part of the educational process, and the student is obligated to attend all lectures, exercise classes, laboratories, workshops, and training. If his absence in any course reaches 10% of the total contact hours specified for the course, he will be academically warned and if exceeds 20%, he will be warned again. If his absence exceeds 25% of the total contact hours specified for the course without an accepted excuse by the university Council and the Education and Student Affairs Council, he is deprived of completing the course and not monitoring the Forced Withdraw (FW), and it is sufficient to use the term W to maintain the student's Cumulative Grade Point Average.

Article (11): Students who fail academically

A student with a CGPA of less than 1 in two academic years is not allowed to register for new courses, but only for applying to failing and improving courses is allowed.

Article (12): Termination of Registration

A student who terminates his enrollment at his request is not entitled to return to study until after submitting a new enrollment application, explaining the reasons for returning and submitting it to the University Council and after a recommendation for approval, it is presented to the University Council. In the case of approval, the student is treated as a continuing student based on his previous status in the college before the termination of his enrollment, provided that no more than three years have passed since the termination of his enrollment.

Article (13): Standardized Courses Grades

Explained as follows:

Percentage	Grade Points	Grade Icon
90 - >	4	A
85 - <90%	3.7	A-
80 - <85%	3.3	B+
75 - <80%	3	B
70 - <75%	2.7	B-

67 - <70%	2.3	C+
65 - <67%	2	C
63 - <65%	1.7	C-
60 - <63%	1.3	D
60 <%	0	F
BL < 30 % of final exam	0	F

Article (14): Repetition of Courses

In case the student repeats a course, in which he has failed, i.e., obtained a grade (F), the student obtains the grade (maximum B)

In case of repeats the course for the purpose of improving the grade D, the student obtains the grade (A-)

Article (15): Statement of the Student's Status

The student's status statement is an official document that can be issued by the Student Affairs Department upon an official request from the student after fulfilling the accreditation of the faculty Council, the dean of the faculty and the university president, and then documenting it with the university seal. This document contains the student's data starting from the date of his enrollment at the university to the date of editing the case statement. These data are divided into:

- 1- Student data (name - nationality - date of birth - college - department - academic level)
- 2- The courses include:
 - A. Courses registered by the student in each semester. In this part, the name of the semester, the academic year, the course code, the credit hours of the course, the student's grade in the course, the quality points of the course appear.
 - B. Courses whose grades are not included in the calculation of the cumulative grade point average (CGPA), and the student is exempted from studying them and in the case of students who are transferred from other universities or from one faculty to another from inside or outside the Egyptian Chinese University in accordance with the decisions of the Council of Private Universities in this regard.
 - C. Courses whose grades are not included in the calculation of the cumulative grade point average (GPA), in the case of students transferred from one program to another in the same college.
- 3- The student's academic status at the end of each semester (regularity - academic monitoring - suspended registration - suspension of enrollment).
- 4- Course grading system at the Egyptian Chinese University. This part includes the key to the different grades and the corresponding percentages.
- 5- The cumulative grade point average obtained by the student at the date of issuing the case statement.

Article (16): the Academic Level

The academic level of the student is determined according to the number of credit hours the student has acquired according to the academic program of the college to which he is enrolled, and this appears in the student's status statement.

Article (17): Graduation Requirements

The first university degree is granted to the student upon fulfilling the following requirements collectively:

- 1- Obtaining a cumulative grade point average according to regulations of the university's colleges.
- 2- Successfully passing all university requirements courses, college requirements, and specialization requirements.
- 3- Completion of the minimum number of credit hours required to obtain the degree.
- 4- Satisfying the requirements mentioned above in a period not exceeding twice the duration of the original study program.
- 5- Fulfilling any other requirements mentioned in the internal regulations of the faculty.
- 6- The degree is granted after approval by the University Council after each semester, as follows:
 - Autumn season in February
 - Spring season in June
 - Summer season in September

Article (18): Honors Rank

The student obtains an honors rank, if none of his semester averages is less than 3.3 out of 4 points, if he does not fail in any of the courses and completes the study in the semesters specified for him by the College Council.

Article (19): Withdrawal from the University

The student can withdraw permanently from the university (i.e. dropping his studies) and he is allowed to claim a refund of part of the expenses paid to the university in accordance with the rules of the Supreme Council of Private Universities. The student must fill out the form for withdrawing from the university, and this form is signed by the student, his guardian, the dean of the faculty, and the university president.

Article (20): Student Disciplinary System

Students enrolled in the university are subjected to a disciplinary system specified in the Universities Organizing Law.

نموذج الخطة الدراسية

المستوى الأول

Fall Semester (Level I A)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Tutorial Hours	Total credit hours	Pre-requisite
PTANT 0101	Anatomy I	2	2	-		3	-
PTPHS 0102	Physiology I	2	2	-		3	-
PTHIS 0103	Histology I	2	2	-		3	-
PTPRB 0104	Professional Behavior	1	-	-		1	-
PTBCH 0105	Biochemistry I	2	2	-		3	-
PTENG 0106	English I	2	-	-		2	-
PTBPH 0107	Biophysics I	2	-	-	2	3	-
PTSOH 0108	Social Handicapped	1	-	-	-	1	-
Total		14	8		2	19	

Spring Semester (Level I B)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Tutorial Hours	Total credit hours	Pre-requisite
PTANT 0109	Anatomy II	2	2	-		3	PTANT 0101
PTPHS 0110	Physiology II	2	2	-		3	PTPHS 0102
PTHIS 0111	Histology II	2	2	-		3	PTHIS 0103
PTBCH 0112	Biochemistry II	2	2	-		3	PTBCH 0105
PTENG 0113	English II	2	-	-		2	PTENG 0106
PTBPH 0114	Biophysics II	2	-	-	2	3	PTBPH 0107
PTBIM 0115	Kinesiology	2	2	-	-	3	-
PTBIO 0116	Biology	1				1	-
Total		15	10		2	21	

المستوى الثاني

Fall Semester (Level II A)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Total credit hours	Pre-requisite
PTANT 0201	Neuroanatomy	2	2	-	3	PTANT 0109
PTPHS 0202	Neurophysiology	2	2	-	3	PTPHS 0110
PTGPA 0203	General Pathology	2	2	-	3	PTHS 0111
PTPBH 0204	Public Health	1	-	-	1	-
PTPSY 0205	Psychology	1	-	-	1	-
PTBIM 0206	Gait analysis	2	2	-	3	PTBIM 0115
ECU 01	Computer skills I	1	2	-	2	-
PTTCM 0207	Introduction to Traditional Chinese medicine	2	2	-	3	-
		12	12	0	19	

Spring Semester (Level II B)

Course Code	Subject	Theoretical hours	Practical hours	Tutorial hours	Total credit hours	Pre-requisite
PTANT 0208	Thorax and abdomen Anatomy	2	2	-	3	PTANT 0201
PTPHS 0209	Endocrine control system	2	2	-	3	PTPHS 0202
PTPAT 0210	Pathology I	2	2	-	3	PTGPA 0203
PTEVL 0211	Evaluation I	2	2	-	3	PTANT 0101
PTBIM 0212	Regional Biomechanics	2	2	-	3	PTBIM 0206
ECU 02	Computer skills II	1	2	-	2	ECU01
PTPOH 0213	Psychology of handicapped	1	-	-	1	PTPSY 0205
PTMAN 0214	Manual Therapy	1	2	-	2	PTANT 0109
Total		13	14	-	20	

المستوى الثالث

Fall Semester (Level III A)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Total credit hours	Pre-requisite
PTEXP 0301	Exercise Physiology	2	2	-	3	PTPHS 0209
PTEVL 0302	Evaluation II	2	2	-	3	PTEVL 0211
PTELH 0303	Electro therapy / Hydrotherapy I	2	2	-	3	PTBPH 0114
PTPBIM 0304	Ergonomics	2	2	-	3	PTBIM 0212
PTTEX 0305	Therapeutic exercise I	2	2	-	3	PTBIM 0115
PTCVP 0306	Theories of Cardio/ Vascular/ Pulmonary Disease	2	-	-	2	PTPHS 0110
PTPAT 0307	Pathology II	2	2	-	3	PTPAT 0210
		14	12	0	20	

Spring Semester (Level III B)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Total credit hours	Pre-requisite
PTELH 0308	Electro therapy / Hydrotherapy II	2	2	-	3	PTELH 0303
PTTEX 0309	Therapeutic exercise II	2	2	-	3	PTTEX 0305
PTPCV 0310	Cardio/ Vascular/Pulmonary Physical Therapy Pulmonary/Physical Therapy	2	2	6	5	PTCVP 0306
PTGPT 0311	Geriatric Physical Therapy	1	1	-	1	PTPHS 0209
PTTCM 0312	Traditional Chinese medicine in Cardio/vascular/ Pulmonary	1	2	-	2	PTTCM 0207
PTOBS 0313	Obstetrics & Gynecology	1	-	-	1	PTANT 0109
PTICU 0314	Intensive Care Physical Therapy	1	2	-	2	PTCVP 0306
PTMIU 0315	Microbiology & Immunology	1	2	-	2	PTPAT 0307
		11	13	6	19	

المستوى الرابع

Fall Semester (Level IV A)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Tutorial hours	Total credit hours	Pre-requisite
PTRAD 0401	Radiology	1			2	2	PTANT 0208
PTBIS 0402	Biostatistics	1	-	-	2	2	-
PTTSP 0403	Traumatology / sports injury	2	-	-		2	PTANT 0109
PTREH 0404	Principles of rehabilitation	1	-	-		1	-
PTWHE 0405	Woman Health Physical Therapy	2	2	6		5	PTOBS 0313
PTORT 0406	Orthopedics	2	-	-		2	PTPAT 0307
PTDER 0407	Dermatology/ Genitourinary	2	-	-		2	-
PTPRO 0408	Orthotics and prosthesis	1	-	-	2	2	PTBIM 0212
PTDDC 0409	Physical Therapy DD in cardiovascular disorders	1	2	-		2	PTPCV 0310
PTNUT 0410	Nutrition	1				1	-
		14	4	6	6	21	

Spring Semester (Level IV B)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Total credit hours	Pre-requisite
PTORP 0411	Orthopedic Physical Therapy	2	4	6	6	PTORT 0406
PTPSP 0412	Physical Therapy Traumatology /sports injury	2	2	6	5	PTTSP 0403
PTCRR 0413	Cardiac Rehabilitation	1	2		2	PTPCV 0310
PTCDE 0414	Clinical Decision Making	1	-	-	1	PTEVL 0302
PTDDM 0415	Physical Therapy DD in musculoskeletal disorders	1	2	-	2	PTORT 0406
PTPHR 0416	Pharmacology	1	-	-	1	-
PTTCM 0417	Traditional Chinese Medicine in orthopedics	1	2	-	2	PTTCM 0207
Elective course					2	
		9	12	12	21	

المستوى الخامس

Fall Semester (Level V A)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Total credit hours	Pre-requisite
PTEPH 0501	Electro-Physiology	1	2	-	2	PTPHS 0209
PTMOD 0502	Motor development	1	-	-	1	-
PTINP 0503	Integumentary Physical Therapy	2	2	6	5	PTDER 0407
PTNUR 0504	Neurology / Neurosurgery	2	-	-	2	PTPHS 0209
PTPED 0505	Pediatric and pediatric surgery	2	-	-	2	-
PTRSM 0506	Research Methodology	1	-	-	1	-
PTEBP 0507	Evidence Based Practice in Physical Therapy	2	-	-	2	-
PTSYC 0508	Psychiatry	1	-	-	1	-
PTOT 0509	Introduction to OT	1	2	-	2	-
ECU 03	Communication skills	1	-	-	1	-
Elective course					2	
Total		14	6	6	21	

Spring Semester (Level V B)

Course Code	Subject	Theoretical hours	Practical hours	Clinical hours	Tutorial hours	Total credit hours	Pre-requisite
PTNUS 0510	Physical Therapy Neurology and its Surgery	2	4	6		6	PTNUR 0504
PTSPM 0511	Advanced Management of Spinal Disorders	1	2	-		2	PTNUR 0504
PTPDP 0512	Pediatrics Physical Therapy and Its Surgery	2	4	6	-	6	PTPED 0505
PTTCM 0513	Traditional Chinese medicine in neuromuscular disorders	2	2	-	-	3	PTCM 0207
PTDDN 0514	Physical Therapy DD in neuromuscular disorders	1	2	-		2	PTNUR 0504
PTBSR 0515	Business Fundamentals for the Rehabilitation professionals	1		-	-	1	
Elective course							
Total		8	14	15		19	

- Each student must register 4 credit hours elective courses added to the total hours.

Elective Courses

The student must select 2 courses

	Course Code	Subject	Pre-requisite	Total credit hours
1	PTELC 1101	Clinical inquiry in internal medicine	PTCVP 0306	2
2	PTELC 1102	Industrial Physical Therapy	PTCVP 0306	2
3	PTELC 1103	Evidence based practice in cardio / pulmonary / vascular PT	PTEBP 0507	2
4	PTELC 1104	Clinical inquiry in musculoskeletal disorders	PTORT 0406	2
5	PTELC 1105	Mobilization and manipulation	PTORT 0406	2
6	PTELC 1106	Evidence based practice in musculoskeletal disorders	PTEBP 0507	2
7	PTELC 1107	Scientific criticism	PTRSM 0506	2
8	PTELC 1108	Clinical inquiry in pediatric / pediatric surgery	PTPED 0505	2
9	PTELC 1109	Evidence based practice in pediatric / pediatric surgery	PTEBP 0507	2
10	PTELC 1110	Rehabilitation technology	PTREH 0404	2
11	PTELC 1111	Clinical inquiry in neuromuscular disorders	PTNUR 0504	2
12	PTELC 1112	Evidence based practice in neuromuscular disorders	PTEBP 0507	2
13	PTELC 1113	Introduction to pranic healing	-	2
14	PTELC 1114	Introduction to osteopathic medicine	PTMAN 0214	2
15	PTELC 1115	Quality assurance	-	2
16	PTELC 1116	First aid	-	2

The elective courses may contain practical parts, it will be (1 hour theory, 2 hours practice)

السنة التدريبية لطلاب الأمتياز

تعريف سنة الامتياز:

هي اثنا عشر شهراً من التدريب تبدأ بعد اجتياز الطالب جميع المقررات الأكاديمية في كليات العلاج الطبيعي المصريه بنجاح.

الدورة التدريبية:

هي المدة التي يقضيها طالب الامتياز في التخصص الواحد وتتراوح ما بين شهر الى شهرين طبقاً لما هو موضح في اللائحة.

مكان التدريب:

هو إحدى الأماكن التالية:

العيادات الخارجية للكليات العلاج الطبيعي والعيادات والأقسام الداخلية بالمستشفيات الجامعية والتعليمية مستشفيات وزارة الصحة والمستشفيات العسكريه لتدريب طلاب الامتياز تحت اشراف الكلية المباشر.

البند الأول:

مقدمة

تعتبر سنة الامتياز أحد متطلبات الحصول على درجة بكالوريوس العلاج الطبيعي وممارسة المهنة داخل جمهورية مصر العربية ويلزم اجتياز جميع المقررات الأكاديمية في كلية العلاج الطبيعي بنجاح كشرط لبدء سنة الامتياز. ويعطى المتخرج وثيقة التخرج بعد استكمال (سنة الامتياز) بنجاح وعندها يعتبر المتخرج مؤهلاً لممارسة المهنة كممارس علاج طبيعي.

البند الثاني:

تدريب طلاب الامتياز والإشراف عليهم ومتابعتهم باستخدام أفضل وسائل التدريب طوال فترة الإمتياز.

البند الثالث:

أهداف التدريب (الامتياز) :

تعتبر سنة التدريب (الامتياز) فرصة للوصول بالخريج الى مستوى متميز فى التقييم والاداء العملى لوسائل وفنيات العلاج الطبيعي وايضا القدرة على التصرف والفهم الادارى وذلك من خلال تحقيق الاهداف الاتية:

• اهداف تدريبية فنية

• اهداف الفهم الادارى للوائح والقوانين

• اهداف التعاملات الانسانية مع فريق العمل

1- تطبيق المفهوم المتكامل لممارسة مهنة العلاج الطبيعي من حيث الوقاية ، العلاج ،

إعادة التأهيل مع مراعاة البيئة الاجتماعية والحالة النفسية و الاقتصادية للمرضى .

2- تدريب طالب الامتياز على الاستقلالية في العمل والقدرة على اتخاذ القرار والتعامل

بكفاءة ومهنية تحت اشراف أعضاء هيئة التدريس ومعاونيهم من الكلية وإدارة المستشفيات الجامعية والتعليمية.

3- الالتزام بتعليمات أعضاء هيئة التدريس (المسؤولين عن الإشراف) ومعاونيهم على كل ما يتعلق

بالخطة العلاجية الموضوعة للمريض والالتزام بها وعدم تغييرها بالاضافة الى حضور تقييم المرضى.

4- الالتزام بالبرنامج التدريبي والمحتوى العلمي الخاص بطلاب الإمتياز الموضوع من الأقسام

الإكلينيكية لرفع مهارات طلاب الإمتياز والموضح بال log book الخاص بطلاب الامتياز

والذى يشمل عدد الحالات والتشخيص الطبي وعدد جلسات كل مريض قام الطالب بالتدريب على

علاجه فى كل دورة تدريبية. ويكون مدون فيه كذلك اسم طالب الامتياز، نوع الدورة، الشهر،

- التاريخ والتقييم الفني لأداء طالب الإمتياز (المهني والأخلاقي) ويسلم نسخة لإدارة العلاج الطبيعي موقعة من المشرف على طلاب الإمتياز من أعضاء هيئة التدريس بالكلية ومعاونيهم وإدارة المستشفيات الجامعية والتعليمية.
- 5- اكتساب مهارات التعامل والتواصل مع الفريق الطبي.
 - 6- تنمية مهارات ومعارف طالب الامتياز عن طريق التدريب التفاعلي والتوجيه المستمر.
 - 7- تنمية مهارات التواصل مع المرضى وذويهم ومعرفة أسلوب التعامل الصحيح
 - 8- تطبيق أخلاقيات المهنة أثناء العمل وخارجه
 - 9- التواجد بالأقسام الموزع عليها في المواعيد الرسمية المحددة من قبل كل قسم (بالكلية أو بالمستشفيات الجامعية أو التعليمية)
 - 10- يقوم المتدرب بالتعرف على جميع افراد واعضاء فريق العمل داخل المنظومة الصحية وأيضاً على طبيعة كل قسم إكلينيكي والطرق المستخدمة في الفحص والعلاج والالتزام بأخلاقيات واداب المهنة.

البند الرابع

عند الانتهاء من التدريب يكون طالب الامتياز قادراً على :

- 1- التعامل مع الحالات المرضية في جميع التخصصات الإكلينيكية باستخدام العلوم الأساسية ومهارات العلاج الطبيعي بكفاءة.
- 2- الالتزام بمعايير مكافحة العدوى من خلال التدريب الميداني في الأقسام الإكلينيكية المختلفة (وخاصة الرعاية الحرجة وأقسام العزل).
- 3- العمل بانسجام ضمن الفريق الطبي.
- 4- الالتزام بأخلاقيات مهنة العلاج الطبيعي من حيث المداومة على التعليم المستمر والمحافظة على أسرار المريض و تقبل النقد والتقييم.
- 5- الإلمام والالتزام بالنظم الخاصة بالتعامل مع المرضى ومرافقيهم.

البند الخامس:

واجبات طالب الامتياز:

- 1 - الإلتزام بالمهام والواجبات التي يحددها القسم الإكلينيكي بالكلية الذي يتدرب فيه طالب الامتياز في كل دورة وتعتبر جزءاً لا يتجزأ من هذا التوصيف.
- 2 - الإلتزام بساعات العمل الاسبوعية بما لا يقل عن ستة أيام أسبوعياً. على أن يكون بداية التدريب من 9 صباحا حتى الساعة 2 ظهراً.
- 3 - المشاركة في الندوات والمحاضرات وأنشطة القسم العلمية الأخرى بشكل فعال ومستمر.
- 4 - الإلتزام بالنظام والحضور والانصراف حسب القواعد المتبعة بالقسم (العيادات الخارجية بكليات العلاج الطبيعي والمستشفيات الجامعية والتعليمية).
- 5 - الإلتزام بالتقدم إلى امتحان إلكتروني في التخصصات المختلفة شهريا اثناء فترة الامتياز موضوع من قبل كل قسم إكلينيكي حسب المحتوى العلمي المعتمد للدورة التدريبية الشهرية. التي تؤهله لإجتياز الإمتحان الموحد لمزاولة مهنة العلاج الطبيعي في المستقبل القريب. ويكون الوزن النسبي للأسئلة 50 درجة لكل ساعة معتمدة ويكون إجتياز الإمتحان بالحصول على 70%
- 6- التأكد من أن ال Log Book الخاص بالامتياز كامل ويشمل جميع الامضاءات وكذلك بيان بالاجازات مطابقا للسجلات الخاصة بذلك في كل من (عيادات الكلية الخارجية أو المستشفيات الجامعية والتعليمية) وعلى الطالب تسليمه لإدارة الإمتياز بالكلية لمراجعته واعتماده.

1- يتعين على جميع طلاب امتياز العلاج الطبيعي كحد أدنى اتمام نسبة 75% حضور من كل دورة تدريبية بما لا يتجاوز نسبة الاجازات والانقطاع الخاصة بالأجازات السنوية الموضحة في بند الأجازات. وكل من يتجاوز ذلك يعتبر فى حكم من لم يمضى الدورة التدريبية المقررة ويتعين اعادته لهذه الدورة التى لم يمضيها (كاملة) بعد انتهاء السنة التدريبية.

البند السادس:

حقوق طالب الامتياز:

1- الحصول على التدريب المناسب تحت إشراف أعضاء هيئة التدريس ومعاونتهم في العيادات الخارجية بكليات العلاج الطبيعي المصرية والأقسام الإكلينيكية بالمستشفيات الجامعية والتعليمية المختلفة.

2- التدرب على الحالات المناسبة للتدريب في التخصص وغير ذلك من الأنشطة التعليمية والتي من شأنها تدريب طالب الامتياز وتنمية قدراته المهنية.

3- الاطلاع على نتائج التقييم الخاصة به من قبل الأقسام والتوقيع عليها بالعلم ومناقشة السلبات إذا وجدت.

4- التظلم من أي مشاكل أو مضايقات يواجهها الى وحدة متابعة الامتياز بالكلية .

**البند السابع: الإشراف على التدريب:

تقوم الكليه بالإشراف على طلاب الامتياز طول فترة التدريب الإلزامى ويتم تشكيل وحدة متابعة تدريب الامتياز من السادة رؤساء الأقسام الإكلينيكية بكلية العلاج الطبيعي الجامعه المصرية الصينيه مع إدارة المستشفيات الجامعية والتعليمية وموظفي إدارة الإمتياز بالكلية.

وتتلخص مهام الوحدة كالتالى :

1- الإشراف على الترتيبات الإدارية للدورات التدريبية (سواءً في العيادات الخارجية بكلية العلاج الطبيعي الجامعه المصرية الصينيه أو الأقسام الإكلينيكية بالمستشفيات الجامعية والتعليمية) وذلك بإعداد جداول دورات المتدربين وترتيبها واعطاء خطابات التوجيه للمستشفيات الجامعية والتعليمية حسب الخطة الموضوعه من الأقسام الإكلينيكية لكل دورة تدريبية.

2- متابعة المتدربين وذلك بالتنسيق المستمر مع جهات التدريب المعنية سواء بالزيارات الدورية لها أو التواصل الهاتفي أو الكتابي للعمل على تحسين ورفع كفاءة مستوى التدريب.

3- التعامل مع جميع المشكلات التي تعترض عمل طلاب الامتياز وتظلماتهم.

4- إعداد قوائم بطلاب الامتياز الذين اتموا التدريب بنجاح ورفعها الى مجلس الكلية لاعتمادها من الجهات الاعلى.

البند الثامن: بدء التدريب ونهايته

1- يقتصر التدريب على العيادات الخارجية بكلية العلاج الطبيعي الجامعه المصرية الصينيه والمستشفيات الجامعية والتعليمية المعتمدة من الكلية.

2- تكون المدة الدراسية لهذه السنة التدريبية الإلزامية 36 ساعة معتمدة مقسمة على 12 شهر ميلادى كالتالى:

تخصص العظام	6 ساعات معتمدة (شهرين)
تخصص الأطفال	6 ساعات معتمدة (شهرين)
تخصص الأعصاب	6 ساعات معتمدة (شهرين)

6 ساعات معتمدة (شهرين)	تخصص باطنة وقلب ورعاية مركزة
3 ساعات معتمدة (شهر)	تخصص صحة المرأة
3 ساعات معتمدة (شهر)	تخصص جراحة وحروق
6 ساعات معتمدة (شهرين)	(تخصص دقيق)*

*بالنسبة الى التخصص الدقيق يجوز ان يختار الطالب احد التخصصات السابقة ويجوز ان يختار اكثر من تخصص (تخصص بينى).

على سبيل المثال لا الحصر: (عظام /اعصاب) او (اطفال/ عظام) او (صحة المرأة/عظام) او (باطنة / اعصاب) او (جراحة /اطفال) او اعصاب /صحة المرأة) وهكذا

ويكون الاشراف من القسمين اثناء الشهرين باجمالى 6 ساعات معتمدة تدريبية .

3- يبدأ الامتياز كالتالى:

-فى شهر سبتمبر من كل عام لدفعة دور تخرج شهر يونيو.

-فى شهر نوفمبر من كل عام لدفعة دور تخرج شهر سبتمبر.

-فى شهر مارس من كل عام لدفعة دور تخرج شهر يناير.

4- يكون الحضور اليومي لدورة التدريب من الساعة 9 صباحاً حتى الساعة 2 ظهراً على مدار 6 أيام اسبوعياً.

5- حساب الساعات المعتمدة لمرحلة الامتياز كالتالى:

6- لا يسمح بتغيير جدول التدريب بعد صدور قوائم التوزيع الا في حالات استثنائية قصوى توافق عليها وحدة متابعة الامتياز وإدارة الكلية.

7- بعد استكمال الطلاب سنة تدريب الامتياز واكتمال النقييم بنجاح في جميع الدورات ترفع نتائج التقييم مع شهادات تدريب الامتياز من إدارة وحدة متابعة الامتياز الى مجلس الكلية للموافقة عليها واعتمادها ورفعها للجهات الأعلى ليتم منح الدرجة العلمية والموافقة على اصدار وثيقة التخرج. البند التاسع:

تأخير بدء التدريب:

1- يجوز لطالب الامتياز تأخير بدء التدريب بعد موافقة وحدة متابعة الامتياز وإدارة الكلية بشرط أن لا تقل فترة التأخير عن دورة تدريبية كاملة .

2- في حالة التأخر عن بدء التدريب أكثر من ستة أشهر يرفع الطالب التماس بالتأخير الى مجلس الكلية ويبد في الدورة التالية لتاريخ تأخره (سبتمبر/ نوفمبر/مارس).

البند العاشر :

الدورات الاجبارية /الاختيارية :

-يقوم الطالب بقضاء الدورات التدريبية على النحو التالى :

-تخصص العظام 6ساعات معتمدة (شهرين)

-تخصص الأطفال 6 ساعات معتمدة (شهرين)

-تخصص الأعصاب 6 ساعات معتمدة (شهرين)

-تخصص باطنة وقلب ورعاية مركزة 6 ساعات معتمدة (شهرين)

-تخصص صحة المرأة 3 ساعات معتمدة (شهر)

-تخصص جراحة وحروق 3ساعات معتمدة (شهر)

- (تخصص دقيق اختياري) 6ساعات معتمدة (شهرين)

-يمكن قضاء الدورة الاختيارية في تخصص واحد (لمدة شهرين) أو في تخصصين مختلفين (لمدة شهر لكل منهما) . ولطالب الامتياز الحرية في اختيار التخصص الاختياري بعد حصوله

على موافقة الكلية ، وفي حال عدم إبداء طالب الامتياز أي رغبة في اختيار التخصص للدورة الاختيارية أو تبقى منها فترة لم يحددها تتولى الكلية ترتيب ذلك في أي تخصص تراه.
البند الحادي عشر:

إعادة الدورة التدريبية:

1- يلزم إعادة الفترة التدريبية من جديد في حالة تعديل أي فترة من الفترات بدون علم وموافقة وحدة متابعة الامتياز وإدارة الكلية

2- يلتزم طالب الامتياز بإعادة الدورة التدريبية في حالة الانقطاع عن التدريب لمدة تزيد عن خمسة أيام في الدورة التدريبية التي تكون مدتها شهر أو 10 أيام في الدورة التدريبية التي تكون مدتها شهرين .

3- إذا انقطع طالب الامتياز عن التدريب أثناء سنة الامتياز مدة لا تزيد عن ستة أشهر فيتم تعويض تلك المدة بإعادة الدورات المطلوبة في تلك الفترة.

4- إذا أخل طالب الامتياز بواجباته أو التزاماته المهنية فيحق لوحدة متابعة الامتياز وإدارة الكلية رفع توصية بأحد الخيارات التالية:

* توجيه إنذار كتابي.

* توجيه إنذار كتابي مع وضع الطالب تحت الملاحظة.

* إعادة دورة تدريبية أو أكثر.

5- عند حدوث ما يخل بالسلوك أو الشرف أو الأمانة تشكل لجنة من إدارة كلية العلاج الطبيعي والقسم المعني بالإشراف على الإمتياز لإجراء تحقيق ورفع توصية بالعقوبة الى مجلس الكلية لاتخاذ القرار المناسب وتنفيذه.

البند الثاني عشر:

التقييم:

1. في الإِسبوع الأخير من كل دورة تدريبية على جميع الطلاب الإلتزام بالتقدم إلى امتحان إلكتروني في التخصصات المختلفة الموضوع من قبل كل قسم إكلينيكي حسب المحتوى العلمي المعتمد للدورة التدريبية الشهرية. الذي يؤهله لإجتياز الإمتحان الموحد لمزاولة مهنة العلاج الطبيعي في المستقبل القريب. ويكون الوزن النسبي للأسئلة 50 درجة لكل ساعة معتمدة ويكون إجتياز الإمتحان بالحصول على 70%

2. بعد انقضاء دورة تدريب طالب الامتياز في التخصص يقوم المشرفين على الدورة التدريبية لطلاب الإمتياز بإعداد تقرير تقييم (حسب النموذج المعتمد من الكلية) موقعاً من عضو هيئة التدريس.

3. تجمع كل قسم التقييمات الشهرية الخاصة بالإمتحان الإلكتروني بالإضافة إلى التقييمات الأخرى حسب النماذج الموضحة بال **Log Book** لكل قسم ورفع أسماء الطلاب الذين اجتازوا الدورة وتقارير تقييمهم لوحدة متابعة الامتياز بالكلية.

4. يتم رفع أسماء الطلاب المجتازين الدورات التدريبية ونتائج تقارير التقييم من وحدة متابعة الامتياز إلى إدارة الكلية للإعتماد في مجلس الكلية.

البند الثالث عشر:

العطلات والإجازات:

1. يحصل طالب الامتياز خلال فترة الامتياز كاملة على إجازة سنوية اعتيادية مدتها أربعة عشر يوماً بخلاف الاجازات العارضة (سبعة أيام) التي يخولها له القانون بشرط موافقة القسم الذي يتدرب فيه.

2. يجب ألا تزيد مدة الاجازة عن خمسة ايام (25%) في أي دورة من الدورات التدريبية التي تكون مدتها شهر أو عشرة ايام في الدورة التي تكون مدتها شهرين .

3. في حال تغيب طالب الامتياز لفترة تتجاوز 25% (بعذر أو بدون عذر) خلال فترة تدريب واحدة يلزم إعادة تلك الدورة التدريبية كاملة.

تقييم سنة الأمتياز

Each Round must be evaluated according to the following criteria: -

5= Excellent

4= Very Good

3= Good

2= Marginal

1= Failure

N/A= Not Applicable

Form of Internship Year Evaluation

A- Basic clinical /teaching skills

A1	Uses scientific knowledge in performing procedures	5	4	3	2	1	N/A
A2	Uses resources within the department to enhance his / her practice	5	4	3	2	1	N/A
A3	Consult others to foster effective decision -making	5	4	3	2	1	N/A
A4	Demonstrate appropriate problem-solving skills	5	4	3	2	1	N/A
A5	Competently performs at level which is appropriate to his / her learning	5	4	3	2	1	N/A

Please comment if a student scores 1,2, or5 in any area. This additional information helps the student.

B- Communication skills

B1	Communicate effectively with client, team, supervisor	5	4	3	2	1	N/A
B2	Communicate effectively and accurately in written English	5	4	3	2	1	N/A
B3	Respect cultural diversity when communicating with others	5	4	3	2	1	N/A

Please comment if a student scores 1,2 or5 in any area. This additional information helps the student.

C- Professional and Personal Attitude

C1	Demonstrate initiative and motivations	5	4	3	2	1	N/A
C2	Observes appropriate dress code and personal hygiene	5	4	3	2	1	N/A
C3	Accept and follows instructions	5	4	3	2	1	N/A
C4	Displays self directed learning behavior.	5	4	3	2	1	N/A
C5	Accepts and learns from constructive feedback	5	4	3	2	1	N/A
C6	Demonstrates a positive attitude towards workload	5	4	3	2	1	N/A
C7	Demonstrates a positive attitude towards supervision	5	4	3	2	1	N/A
C8	Attends duty regularly and punctually	5	4	3	2	1	N/A
C9	Acts reliably and dependably and takes responsibilities	5	4	3	2	1	N/A

Please comment if a student scores 1,2 or5 in any area. This additional information helps the student.

Areas of Strength

Areas for Development

What grade would you give the student for the elective rotation?

Excellent = (85 and above), Very Good = (75-84), Good = (65-74), Marginal= (50- 64), Failure = (below 50).

Overall Performance:

Supervisor's name:

Supervisor's Signature:

CONFIDENTIAL

توصيف المقررات الدراسية

Courses Description

Course Code or Number: PTANT 0101

Course Title: Anatomy I

Prerequisite:

Contents: An in-depth study of gross human anatomy is emphasizing on a regional approach to the structural and functional relationships of skeletal and muscular systems of upper limb. Anatomical structures relevant to physical therapy practice are emphasized. Human dissections are included. Lab is emphasized on origin, insertion, nerve supply and action of muscles of upper extremity.

Course Code or Number: PTPHS 0102

Course Title: Physiology I

Prerequisite:

Contents: Course is developed to study general physiology with an introduction to nervous system and physiology. Emphasizing on the structure and function relationship of muscle and nerve. Lab is emphasizing on blood groups, blood pressure, heart rate and respiratory rate.

Course code or number: PTHIS 0103

Course Title: Histology I

Prerequisite:

Contents: Course is developed to study general histology, types of cells, tissues, bones and cartilages. It emphasizes on bone, blood, cartilage, muscular and nervous tissues. Lab is emphasizing on microscopic differentiation between different types cells and tissues.

Course Code or Number: PTPRB 0104

Course Title: Professional Behavior

Prerequisite:

Contents: This course covers the professional, legal, and ethical foundations of physical therapy practice, including an historic perspective on the development of the profession and current and future trends in practice.

Course Code or Number: PTBCH 0105

Course Title: Biochemistry I

Prerequisite:

Contents: Course is developed to study the biochemistry of living cells, carbohydrates, lipids, regulation of enzymes, protein synthesis, DNA and RNA. Lab is emphasizing on biochemical reactions in living cells.

Course Code or Number: PTENG 0106

Course Title: English I

Prerequisite:

Contents: This course aims to consolidate the English language skills for medical students and definition of terms. The course focuses on honing the students' Speaking, Writing, Reading and Listening abilities.

Course Code or Number: PTBPH 0107

Course Title: Biophysics I

Prerequisite:

Contents: This course is characterized with high level immersion into radiation physics and physical electricity of living cells. Tutorial labs emphasizes on studying of radio waves and ultrasonic waves .

Course Code or Number: PTSOH 0108

Course Title: Social Handicapped

Prerequisite:

Contents: This course is characterized with high level immersion into the function, structure, and development of social behaviors. It emphasizes on social problems associated with disability.

Course Code or Number: PTANT 0109

Course Title: Anatomy II

Prerequisite: PTANT 0101

Contents: An in-depth study of gross human anatomy is emphasizing on a regional approach to the structural and functional relationships of skeletal and muscular systems of lower limb. Anatomical structures relevant to physical therapy practice are emphasized. Human dissections are included. Lab is emphasized on origin, insertion, nerve supply and action of muscles of lower extremity.

Course Code or Number: PTPHS 0110

Course Title: Physiology II

Prerequisite: PTPHS 0102

Contents: Course devoted to the study of the structure and function of respiratory, cardiac and vascular systems. Emphasizing on the structure and function relationship cardiovascular and pulmonary systems. Lab is emphasizing on the ECG, pulmonary functions and blood tests.

Course Code or Number: PTHIS 0111

Course Title: Histology II

Prerequisite: PTHIS 0103

Contents: Course is developed to study structure of vascular, lymphatic, endocrine, respiratory, reproductive, and central nervous systems and digestive glands. Lab is emphasizing on microscopic differentiation between structures of these systems.

Course Code or Number: PTBCH 0112

Course Title: Biochemistry II

Prerequisite: PTBCH 0105

Contents: Course is developed to study in depth the biochemistry of carbohydrates, protein, lipids, and vitamins. Lab is emphasizing on biochemical reactions for production of energy needed for body motion.

Course Code or Number: PTENG 0113

Course Title: English II

Prerequisite: PTENG 0106

Contents: This course aims to consolidate the English language skills the students acquired during their freshmen tertiary education. The course focuses on perfecting the

skills acquired during their English studies. This course emphasized on speaking, conversations, writing reports and letters.

Course Code or Number: PTBPH 0114

Course Title: Biophysics II

Prerequisite: PTBPH 0107

Contents: This course is characterized with high level immersion into biophysics of eyes, ears, and skeletal muscles. It emphasizes on frequencies and resonance of neural elements, neuromuscular junction, and peripheral nerves. Tutorial labs emphasizes on measuring waves, frequencies and intensities.

Course Code or Number: PTBIM 0115

Course Title: Kinesiology

Prerequisite:

Contents: This course is characterized with high level immersion on biomechanics of joint motion in relation to axis planes, levers, muscles, and forces. Lab emphasizes on types of joints, muscles, and analysis of joint motion.

Course Code or Number: PTBI0 0116

Course Title: Biology

Prerequisite:

Contents: This course is going to help students to understand and define with high precision and accuracy not only the ultimate physiochemical organization (ultrastructure) of the molecules in living matter but also the way living matter reproduces at the molecular level. Especially crucial to those advances was the rise of genomics in the late 20th and early 21st centuries.

Course Code or Number: PTANT 0201

Course Title: Neuroanatomy

Prerequisite: PTANT 0109

Contents: An in-depth study of gross human anatomy is emphasizing on nervous structures comprising the head, neck, and nervous system relevant to physical therapy practice are also examined. Anatomical structures relevant to physical therapy practice are emphasized. Human dissections are included.

Course Code or Number: PTPHS 0202

Course Title: Neurophysiology

Prerequisite: PTPHS 0110

Contents: Course devoted to the study of the structure and function of sensory and motor nervous systems. It emphasizes on the structure and function of nervous system. Lab is emphasizing on nervous system function and abnormalities and pain pathway.

Course Code or Number: PTGPA 0203

Course Title: General pathology

Prerequisite: PTHIS 0111

Contents: This course addresses four components of disease: cause/etiology, mechanisms of development (pathogenesis), structural alterations of cells (morphologic changes), and the consequences of changes (clinical manifestations).

Course Code or Number: PTPBH 0204

Course Title: Public health

Prerequisite:

Contents: This course is focus on epidemiology, prevention, and interventional strategies. Students examine the behavioral issues related to reducing the incidence of these conditions and managing them.

Course Code or Number: PTPSY 0205

Course Title: Psychology

Prerequisite:

Contents: This course is characterized with high level immersion into psychological and mental process to establish human behaviors and behavioral abnormalities.

Course Code or Number: PTBIM 0206

Course Title: Gait analysis

Prerequisite: PTBIM 0115

Contents: This course is characterized with high level immersion on biomechanics of gait and analysis of normal and pathological gait pattern. Lab emphasizes on kinetic and kinematic gait analysis.

Course Code or Number: ECU 01

Course Title: Computer Skills I

Prerequisite:

Contents: This course tends to provide students with a brief introduction to the world of computers including number systems and data representation, computer system components: hardware & software, storage and input/output systems, Operating systems, and Utility Systems.

The course gives an overview about computer networks and internet: data communication, transmission modes, transmission media, computer networks, internet protocol, and internet services. It practices some computer applications in the laboratory such as Internet Access, word processing and power point.

It gives students a practical experience on developing projects related to the specialty of each faculty.

Course Code or Number: PTTCM 0207

Course Title: Introduction to traditional Chinese medicine

Prerequisite:

Contents: this course emphasis on an introduction to the theories of Chinese medicine, pathology, assessment, and the differences in treatment mechanism between traditional Chinese medicine and western medicine.

Course Code or Number: PTANT 0208

Course Title: Thorax and abdomen anatomy

Prerequisite: PTANT 0201

Contents: Course devoted to the study of the structure and function of the thorax and pelvic region with emphasis on anatomy of cardiovascular, digestive, and respiratory systems. Also focus on anatomy of spinal column, abdominal and back muscles

Course Code or Number: PTPHS 0209

Course Title: Physiology of Endocrine system

Prerequisite: PTPHS 0202

Contents: High level immersion into the function of the endocrine system, emphasizing on relationship of sympathetic and parasympathetic. Lab emphasis on regulation of hormone secretions.

Course Code or Number: PTPAT 0210

Course Title: Pathology I

Prerequisite: PTGPA 0203

Contents: It is concerned with the diagnosis of the disease based on the laboratory analysis of bodily fluids such as blood and urine, and tissues using the tools of chemistry, microbiology, hematology, and molecular pathology.

Course Code or Number: PTEVL 0211

Course Title: Evaluation I

Prerequisite: PTANT 0101

Contents: This course is focus on muscle testing of upper extremity and back. It emphasizes on differential diagnosis of muscle injuries, myofascial trigger points. Lab emphasizes on manual testing.

Course Code or Number: PTBIM 0212

Course Title: Regional Biomechanics

Prerequisite: PTBIM 0206

Contents: This course is focus on analysis of path mechanics of joints due to musculoskeletal and neuromuscular disorders. Lab emphasizes on joint structure and stability in some pathological conditions.

Course Code or Number: ECU 02

Course Title: Computer Skills II

Prerequisite: ECU 01

Contents: This course tends to introduce the concepts and terminologies of spreadsheet, database, database management systems, and the concept of hypertext markup language (HTML).

- It practices some computer applications in the laboratory such as Microsoft Excel, Microsoft Access, and HTML.

- It gives students a practical experience on developing projects related to the specialty of each faculty.

Course Code or Number: PTPOH 0213

Course Title: Psychology of handicapped

Prerequisite: PTPSY 0205

Contents: This course is characterized with high level immersion into psychological and mental process of handicapped and establish human behaviors and behavioral abnormalities associated with disabilities.

Course Code or Number: PTMAN 0214

Course Title: Manual Therapy

Prerequisite: PTANT 0109

Contents: This course provides the student with “hands on experience” of commonly used manual techniques, to modulate pain, increase joint range of motion, reduce soft tissue inflammation, induce relaxation, improve contractile and non-contractile tissue extensibility, and improve pulmonary function.

Course Code or Number: PTEXP 0301

Course Title: Exercise physiology

Prerequisite: PTPHS 0209

Contents: In depth study of physiology of the musculoskeletal, cardiovascular, pulmonary, renal, hepatic and metabolic systems as related to exercise training in the design of exercise prescription for individuals, groups, and communities. Emphasis is also placed on exercise tests in designing exercise program.

Course Code or Number: PTEVL 0302

Course Title: Evaluation II

Prerequisite: PTEVL 0211

Contents: This course is focus on muscle testing of facial, trunk, abdomen and lower limb muscles. It emphasizes on differential diagnosis of muscle injuries, myofascial trigger points. Lab emphasizes on manual testing.

Course Code or Number: PTELH 0303

Course Title: Electrotherapy / Hydrotherapy I

Prerequisite: PTBPH 0114

Contents: This course provides the student with an in-depth knowledge of electrotherapeutic modalities, including high frequency currents, and low frequency currents. Lab emphasizes on different types of high and low frequency currents. Also, this course provides the student with knowledge about the use of water for pain relief and treatment.

Course Code or Number: PTBIM 0304

Course Title: Ergonomics

Prerequisite: PTBIM 0212

Contents: this course emphasis on saving manpower, energy and producing actions in save manner to increase his/ her productivity in a minimum time required.

Course Code or Number: PTTEX 0305

Course Title: Therapeutic exercise I

Prerequisite: PTBIM 0115

Contents: This course provides the student with an in-depth knowledge to analyze the underlying principles of the following different types of therapeutic exercise: stretching; strengthening; active; assistive; active resistive, using manual resistance, pulleys, weights, hydraulics, elastics, robotics, and mechanical or electromechanical devices. Lab emphasizes on passive movements, different types of exercises using manual and mechanical resistance.

Course Code or Number: PTCVP 0306

Course Title: Theories Cardio/ Vascular/ Pulmonary

Prerequisite: PTPHS 0110

Contents: This course provides an opportunity to understand the heart and the lungs as an integrated system and utilize this system to develop a multidisciplinary approach to design more effective diagnostic tools and more selective treatments. It emphasizes on myocardial infarction, obstructive lung diseases, cardiac surgery, vascular diseases and others.

Course Code or Number: PTPAT 0307

Course Title: Pathology II

Prerequisite: PTPAT 0210

Contents: This course provides the student with an analysis of the etiology, pathology, and clinical sciences of musculoskeletal, neuromuscular, integumentary, endocrine, and immune (herein "other systems") diseases, disorders, and condition (Clinical/laboratory assessment techniques).

Course Code or Number: PTELH 0308

Course Title: Electrotherapy/ Hydrotherapy II

Prerequisite: PTELH 0303

Contents: This course provides the student with an in-depth knowledge of electrotherapeutic modalities, including electromagnetic spectrum, pain modulation, muscle re-education, and muscle strength. Lab emphasizes on different types of currents to reduce pain, increase muscle power, and muscle re-education. Also, this course emphasis on electrotherapeutic methods that take advantage of the physical properties of water, such as temperature and pressure, for therapeutic purposes, to stimulate blood circulation and treat the symptoms of certain diseases.

Course Code or Number: PTTEX 0309

Course Title: Therapeutic exercise II

Prerequisite: PTTEX 0305

Contents: This course provides the student with an in-depth knowledge to analyze the underlying principles of the following different types of therapeutic exercise programs: progressive resistive exercise, polymetric, balance, coordination, PNF and exercise evaluation and factors affecting exercise performance. Lab emphasizes on how to utilize exercise program that integrate with other physical therapy modalities.

passive movements, different types of therapeutic exercises using manual and mechanical resistance.

Course Code or Number: PTPCV 0310

Course Title: Cardio/ Vascular/ Pulmonary Physical Therapy

Prerequisite: PTCVP 0306

Contents: These courses enable the student to independently examine and treat a patient with cardio-vascular pulmonary system problems by obtaining a pertinent history from the patient and from other relevant sources, by performing relevant systems review, and by selecting appropriate age-related tests, related measures, and physical therapy treatment programs. Lab emphasizes on synthesizing examination data to complete the physical therapy evaluation and engage in the Physical Therapy diagnostic process, design a plan of care, and implement it and change treatment plan when needed, writing progress notes and change plan of care according to patient condition.

Course Code or Number: PTGPT 0311

Course Title: Geriatric physical therapy

Prerequisite: PTPHS 0209

Contents: this course focus on physical therapy and health care programs related to cardiovascular system, muscles, skeletal and neurological disorders for elderly people. It aims to promote health by preventing and treating diseases and disabilities in older adult.

Course Code or Number: PTTCM 0312

Course Title: Traditional Chinese medicine Cardio/ Vascular/ Pulmonary

Prerequisite: PTTCM 0207

Contents: this course enable the students to have a knowledge of using traditional Chinese medicine (TCM) techniques in treatment of cardiovascular/ pulmonary in conjunction with physical therapy modalities to increase cardiovascular efficacy and aerobic capacity.

Course Code or Number: PTOBS 0313

Course Title: Obstetrics & Gynecology

Prerequisite: PTANT 0109

Contents: It provides the student the theoretical knowledge about a genitourinary systems disorders in females and its impact on physical function, pregnancy, abortions, and child delivery. Also, it gives information about different diseases of the genitile system in females.

Course Code or Number: PTICU 0314

Course Title: Intensive care physical therapy

Prerequisite: PTCVP 0306

Contents: It provides the student knowledge about the examination, diagnosis and management of life threatening conditions also, it gives information about invasive monitoring of cardiac dysfunction, comas, and obstructive lung disease. It emphasizes on evaluating patient problem, design a physical therapy plan of care and implement it in the intensive care unit to prevent bed ridden complications.

Course Code or Number: PTMIU 0315

Course Title: Microbiology and immunology

Prerequisite: PTPAT 0307

Contents: This course provides studies of genomic regulation and host-pathogen interactions come together in their implications for gene therapy, including mechanisms for regulating gene integration and expression, control of the immune response to vectors, and the use of the immune response for targeted gene delivery. Also, it provides knowledge about vaccination and autoimmune diseases that can be manipulated with physical therapy.

Course Code or Number: PTRAD 0401

Course Title: Radiology

Prerequisite: PTANT 0208

Contents: This course provides an overview of the foundations in radiography. The student will be able to interpret different radiographic images for accurateness and identify evaluation criteria for a variety of pathological conditions through interpretation of x-ray, CT scan, MRI, and others.

Course Code or Number: PTBIS 0402

Course Title: Biostatistics

Prerequisite:

Contents: this course provides the application of statistics to a wide range of topics in biology. The science of biostatistics encompasses the design of biological experiments, collection, summarization, and analysis of data from those experiments and the interpretation of these results in all science fields using descriptive and inferential statistics.

Course Code or Number: PTTSP 0403

Course Title: Traumatology / Sports injury

Prerequisite: PTANT 0109

Contents: It provides the student with knowledge about the mechanisms of soft tissue, and bone injuries "fractures, dislocation, and others" due to different traumatic injuries. Also, it provides information about different musculoskeletal injuries in the sports field. It emphasizes on differential diagnosis, methods of reductions and treatment.

Course Code or Number: PTREH 0404

Course Title: Principles of rehabilitation

Prerequisite:

Contents: This course enables the student to independently examine and reexamine a patient or client with problems in musculoskeletal system and neurological system by obtaining a pertinent history from the patient or client and from other relevant sources, to put a rehabilitation program specific to patient problem to help patient to return to the society independent.

Course Code or Number: PTWHE 0405

Course Title: Women health physical therapy

Prerequisite: PTOBS 0313

Contents: These courses enable the student to independently examine and reexamine a patient or client with gynecological and obstetric problems by obtaining a pertinent history from the patient or client and from other relevant sources, by performing relevant systems review, and by selecting appropriate age-related tests and measures. The student will be able to synthesize examination data to complete the physical therapy evaluation and engage in the Physical Therapy diagnostic process, design a plan of care, and implement it, writing progress notes and change plan of care according to patient condition.

Course Code or Number: PTORT 0406

Course Title: Orthopedics

Prerequisite: PTPAT 0307

Contents: This course concerned with conditions involving the musculoskeletal system. using both surgical and nonsurgical means to treat musculoskeletal diseases, degenerative diseases, infections, tumors, and congenital disorders regarding musculoskeletal systems.

Course Code or Number: PTDER 0407

Course Title: Dermatology/ Genitourinary

Prerequisite:

Contents: This course is dealing with the skin and its diseases, with both medical and surgical aspects. It takes care of diseases, in the widest sense, and some cosmetic problems of the skin, scalp, hair, and nails. Also, it provides knowledge about disorders of the genitourinary system, including a range of disorders from those that are asymptomatic to those that manifest an array of signs and symptoms and causes for these disorders including congenital anomalies, infectious diseases, trauma, or conditions that secondarily involve the urinary structure.

Course Code or Number: PTPRO 0408

Course Title: Orthotics and prothesis

Prerequisite: PTBIM 0212

Contents: This course is dealing with "an externally applied device used to modify the structural and functional characteristics of the neuromuscular and skeletal system". Also it focus on orthosis that may be used to control, guide, limit and/or immobilize an extremity, joint or body segment for a particular reason, restrict movement in a given direction, assist movement generally, reduce weight bearing forces for a particular purpose, aid rehabilitation from fractures after the removal of a cast.

Course Code or Number: PTDDC 0409

Course Title: Physical Therapy DD in cardiovascular disorders

Prerequisite: PTPCV 0310

Contents: This course provides a systematic physical therapy diagnostic method of cardiovascular pulmonary used to identify the presence of an entity where multiple alternatives are possible. Differential diagnosis can be regarded as implementing

aspects of the hypothetic-deductive method in the sense that the potential presence of candidate diseases or conditions can be viewed as hypotheses which are further processed as being true or false.

Course Code or Number: PTNUT 0410

Course Title: Nutrition

Prerequisite:

Contents: this course provides information regarding the healthy nutrition and focus more specifically on the role of nutrition in chronic disease, weight reduction and sports including possible prevention or remediation by addressing nutritional deficiencies before resorting to drugs.

Course Code or Number: PTORP 0411

Course Title: Orthopedic physical therapy

Prerequisite: PTORT 0406

Contents: These courses enable the student to independently examine and reexamine a patient or client with diseases of musculoskeletal problems by obtaining a pertinent history from the patient or client and from other relevant sources, by performing relevant systems review, and by selecting appropriate age-related tests, measures, and physical therapy modalities. Lab emphasizes on synthesizing examination data to complete the physical therapy evaluation and engage in the Physical Therapy diagnostic process, design a plan of care, and implement it, writing progress notes and change plan of care according to patient condition.

Course Code or Number: PTPSP 0412

Course Title: Physical therapy traumatology/ sports injury

Prerequisite: PTTSP 0403

Contents: These courses enable the student to independently examine and reexamine a patient or client with traumatic injury of musculoskeletal and sport injuries problems by obtaining a pertinent history from the patient or client and from other relevant sources, and it focuses on designing physical therapy program, orthotics and mobilization procedures for treatment of different musculoskeletal problems and sports injuries.

Course Code or Number: PTCRR 0413

Course Title: Cardiac rehabilitation

Prerequisite: PTPCV 0413

Contents: This course is focusing on making a program of exercise and information sessions that help cardiac patient get back to everyday life as quickly as possible. It aims to help student to understand patient condition, recover from heart surgery or heart attack, make changes to patient lifestyle that will help improve patient heart health, reduce the risk of a heart attack.

Course Code or Number: PTCDE 0414

Course Title: Clinical decision making

Prerequisite: PTEVL 0302

Contents: This course is focusing on the vital and crucial nature of medical practice, and the need for accurate and timely information to support clinical decisions, the

course is also focusing on the gathering, and use of medical information to gain best clinical decision for treating patients.

Course Code or Number: PTDDM 0415

Course Title: Physical therapy DD in musculoskeletal disorders

Prerequisite: PTORT 0406

Contents: This course is a systematic Physical Therapy diagnostic method of muscle-skeletal disorders used to identify the presence of an entity where multiple alternatives are possible. Differential diagnosis can be regarded as implementing aspects of the hypothetic-deductive method in the sense that the potential presence of candidate diseases or conditions can be viewed as hypotheses which are further processed as being true or false.

Course Code or Number: PTPHR 0416

Course Title: Pharmacology

Prerequisite:

Contents: This course provides the student about the interactions that occur between a living organism and chemicals that affect normal or abnormal biochemical function. pharmacological interaction, and clinical sciences of musculoskeletal, neuromuscular, integumentary, endocrine, and immune diseases, disorders, and condition as it relates to Physical Therapy. It emphasizes on drug interaction with physical therapy modalities on musculoskeletal disorders, neuromuscular disorders, and cardiovascular disorders.

Course Code or Number: PTTCM 0417

Course Title: Traditional Chinese medicine in orthopedics

Prerequisite: PTTCM 0207

Contents: this course enable the students to have a knowledge of using traditional Chinese medicine (TCM) techniques in treatment of musculoskeletal disorders in conjunction with physical therapy modalities to increase range of motion and function and decrease pain.

Course Code or Number: PTEPH 0501

Course Title: Electrophysiology

Prerequisite: PTPHS 0209

Contents: This course is focusing on evaluating and recording the electrical activity produced by skeletal muscles. It gives information about electromyograph that detects the electrical potential generated by muscle cells when these cells are electrically or neurologically activated. It helps the students to understand the signals analysis to detect medical abnormalities, activation level, recruitment order or to analyze the biomechanics of human or animal movement. Lab emphasizes on AP, NCV reflexes.

Course Code or Number: PTMOD 0502

Course Title: Motor development

Prerequisite:

Contents: This course is focusing on the development of movements of larger muscles, like those in the arms, legs, feet or the entire body and development of Fine motor skills

generally refer to movements involving smaller muscles, like those in hands, wrists and fingers.

Course Code or Number: PTINP 0503

Course Title: Integumentary Physical Therapy

Prerequisite: 0407

Contents: This course is characterized with high level immersion in studying skin diseases, burns and wound care management regarding chronic wounds, surgical wounds, diabetic wounds, and others from evaluation to complete healing. It also focusses on physical therapy modalities in some dermatological conditions.

Course Code or Number: PTNUR 0504

Course Title: Neurology/ Neurosurgery

Pre-requisite: PTPHS 0209

Contents: This course concerned with the prevention, diagnosis, and treatment which affect any portion of the nervous system including the brain, spinal cord, peripheral nerves, and extra-cranial cerebrovascular system and muscle diseases.

Course Code or Number: PTPED 0505

Course Title: Pediatric and pediatric surgery

Prerequisite:

Contents: this course concerned with any neurological deficits of children that have long-term effects on quality of life, disability, and survival. It also provide information that involved with the prevention, early detection, and management of problems including developmental delays and disorders, behavioral problems, functional disabilities, social stresses, mental disorders including depression and anxiety disorders in children.

Course Code or Number: PTRSM 0506

Course Title: Research methodology

Prerequisite:

Contents: This course enables the student to utilize research methodology by applying the principles of scientific method to read and interpret professional literature. Students would be able to identify a problem; collection and interpretation of date; formulation of hypothesis; acceptance or rejection of hypothesis. The outcome of this course is a formulation of a research protocol with emphasis on literature review and designing of studies.

Course Code or Number: PTEBP 0507

Course Title: Evidence based Practice in physical therapy

Prerequisite:

Contents: this course is characterized by teaching student clinical trials, scientific thinking, and criticism to find an answer of the most effective and efficient physical therapy approaches. It focusses on how to find and utilize medical and physical therapy modalities based on scientific evidence.

Course Code or Number: PTSYC 0508

Course Title: Psychiatry

Prerequisite:

Contents: This course is characterized with high level immersion in psychiatric disease that affects neuromuscular system, describing role of hydrotherapy and therapeutic exercise in conjunction with psychiatric medications.

Course Code or Number: ECU 03

Course Title: Communication skills

Prerequisite:

Contents: This course is characterized with high level immersion in using language, motivations to express and achieve our ideas, goals specially when dealing with normal and abnormal behaviors.

Course Code or Number: PTOT 0509

Course Title: Introduction to occupational Therapy

Contents: These courses enable the student to be able to use of assessment and intervention to develop, recover, or maintain the meaningful activities, or *occupations*, of individuals, groups, or communities. Its lab is focused on how to work with work with people with mental health problems, disabilities, injuries, or impairments.

Course Code or Number: PTNUS 0510

Course Title: Physical Therapy for Neurology and its surgery

Prerequisite: PTNUR 0504

Contents: These courses enable the student to independently examine and reexamine a patient or client with neuromuscular system problems by selecting appropriate age-related tests and measures and emphasis on physical therapy program for upper and lower motor neuron lesions, cerebellar disorders and other neurological problems. Lab emphasizes on synthesizing examination data to complete the physical therapy evaluation and engage in the Physical Therapy diagnostic process, design a plan of care, and implement it, writing progress notes and change plan of care according to patient condition

Course Code or Number: PTSPM 0511

Course Title: Advanced management of spinal disorders

Prerequisite: PTNUR 0504

Contents: This course emphasis on: a classification of spinal disorders; the epidemiology of spine pain advancements in biological and biomechanical sciences in spine pain; the current status of potential methods for the prevention of back and neck pain; rheumatological and systemic disorders that impact the spine; and evidence-based Physical therapy.

Course Code or Number: PTPED 0512

Course Title: Pediatric physical therapy and its surgery

Prerequisite: PTPED 0505

Contents: These courses enable the student to independently examine and reexamine child with neurological disorders and delayed motor development problems by obtaining a pertinent history from the patient and from other relevant sources, by performing relevant systems review, and by selecting appropriate age-related tests and measures. Lab emphasizes on synthesizing examination data to complete the physical therapy evaluation and engage in the Physical Therapy diagnostic process, design a plan of care, and implement it, writing progress notes and change plan of care according to patient condition.

Course Code or Number: PTTCM 0513

Course Title: Traditional Chinese medicine in neuromuscular disorders

Prerequisite: PTTCM 0207

Contents: this course enable the student to have the knowledge of using traditional Chinese medicine (TCM) techniques in conjunction with physical therapy modalities in neuromuscular disorders to increase muscle power, range of motion and function.

Course Code or Number: PTDDN 0514

Course Title: Physical therapy DD in neuromuscular disorders

Prerequisite: PTNUR 0504

Contents: This course is a systematic Physical Therapy diagnostic method of neuromuscular disorders used to identify the presence of an entity where multiple alternatives are possible. Differential diagnosis can be regarded as implementing aspects of the hypothetic-deductive method in the sense that the potential presence of candidate diseases or conditions can be viewed as hypotheses which are further processed as being true or false.

Course Code or Number: PTBST 0515

Course Title: Business Fundamentals for the Rehabilitation professionals

Prerequisite:

Contents: this course provide the student the ability to understand the basic principles and administration to enhance opportunities in rehabilitation, business, marketing, and employment.

Course Code or Number: PTELC 1101

Course Title: Clinical inquiry in internal medicine

Prerequisite: PTCVP 0306

Contents: Clinical Inquiries course provide the ideal answers to clinical questions in internal medicine using a structured search, critical appraisal, authoritative recommendations, clinical perspective, and rigorous peer review, Clinical Inquiries deliver best evidence for point of care use.

Course Code or Number: PTELC 1102

Course Title: Industrial physical therapy

Prerequisite: PTCVP 0306

Contents: This course enables the student to utilize Physical Therapy modalities and its principles in treating different problems affecting industrial hazards and its relation to outcomes production.

Course Code or Number: PTELC 1103

Course Title: Evidence based practice in cardio / pulmonary / vascular PT

Prerequisite: PTEBP 0507

Contents: Evidence-based practice (EBP) course involves complex and conscientious decision-making which is based not only on the available evidence. EB in cardio / pulmonary / vascular disorders develops individualized guidelines of best practices to inform the improvement of whatever professional task is at hand. Evidence-based practice is an answer of the physical therapy approach.

Course Code or Number: PTELC 1104

Course Title: Clinical inquiry in musculoskeletal disorders

Prerequisite: PTORT 0406

Contents: Clinical Inquiries course provides the ideal answers to clinical questions in musculoskeletal disorders: using a structured search, critical appraisal, authoritative recommendations, clinical perspective, and rigorous peer review, Clinical Inquiries deliver best evidence for point of care use.

Course Code or Number: PTELC 1105

Course Title: Mobilization and manipulation

Prerequisite:

Contents: This course provides the student with mobilization and manipulation techniques, to modulate pain, increase joint range of motion, reduce soft tissue inflammation, induce relaxation, improve contractile and non-contractile tissue extensibility, and improve pulmonary function.

Course Code or Number: PTELC 1106

Course Title: Evidence based in musculoskeletal disorders

Prerequisite: PTEBP 0507

Contents: Evidence-based practice (EBP) course involves complex and conscientious decision-making which is based not only on the available evidence but also on patient characteristics, situations, and preferences. EBP in musculoskeletal disorders develops individualized guidelines of best practices to inform the improvement of whatever professional task is at hand. Evidence-based practice is an answer of the physical therapy effective modalities in musculoskeletal disorders.

Course Code or Number: PTELC 1107

Course Title: Scientific criticism

Prerequisite: PTRSM 0506

Contents: Scientific criticisms course provide a body of analysis of scientific methodologies, philosophies, and possible negative roles media and politics play in

scientific research, criticism is made to address and refine problems within the sciences in order to improve science as a whole, and its role in society.

Course Code or Number: PTELC 1108

Course Title: Clinical inquiry in pediatric / pediatric surgery

Prerequisite: PTPED 0505

Contents: Clinical Inquiries course provide the ideal answers to clinical questions in delayed motor development problems, delayed milestones, using a structured search, critical appraisal, authoritative recommendations, clinical perspective, and rigorous peer review, Clinical Inquiries deliver best evidence for point of care use.

Course Code or Number: PTELC 1109

Course Title: Evidence based practice in pediatric / pediatric surgery

Prerequisite: PTEBP 0507

Contents: Evidence-based practice (EBP) courses involves complex and conscientious decision-making which is based not only on the available evidence. EBP in pediatric develops individualized guidelines of best practices to inform the improvement of whatever professional task is at hand. Evidence-based practice is an answer for the effective approach on delayed motor development.

Course Code or Number: PTELC 1110

Course Title: Rehabilitation technology

Prerequisite: PTREH 0404

Contents: Rehabilitation technology course focus on the application of technology to meet the needs of people with disabilities. Its purpose is to eliminate barriers and enhance opportunities in education, rehabilitation, employment, transportation, independent living and recreation. Assistive technology includes devices, aides and enhancements used in rehabilitation technology to enhance functional capacities by eliminating or minimizing functional limitations imposed by disability. Lead to and/or expand vocational rehabilitation, independent living rehabilitation, and employment opportunities by eliminating barriers.

Course Code or Number: PTELC 1111

Course Title: Clinical inquiry in neuromuscular disorders

Prerequisite: PTNUR 0504

Contents: Clinical Inquiries course provide the ideal answers to clinical questions in neuromuscular disorders problems: using a structured search, critical appraisal, authoritative recommendations, clinical perspective, and rigorous peer review, Clinical Inquiries deliver best evidence for point of care use.

Course Code or Number: PTELC 1112

Course Title: Evidence based practice in neuromuscular disorder

Prerequisite: PTEBP 0507

Contents: Evidence-based practice (EBP) course involves complex and conscientious decision-making which is based not only on the available evidence but also on patient

characteristics, situations, and preferences. EBP in neuromuscular disorders develops individualized guidelines of best practices to inform the improvement of whatever professional task is at hand. Evidence-based practice is answer for effective approach in neuromuscular disorders.

Course Code or Number: PTELC 1113

Course Title: Introduction to Pranic healing

Prerequisite:

Contents: this course emphasis on circulating energy and its influence on functions. It also emphasis on the mechanism of improving body energy universal energy.

Course Code or Number: PTELC 1114

Course Title: Introduction to osteopathic medicine

Prerequisite: PTMAN 0214

Contents: this course emphasis on teaching students the relationship of restricted fascia and body function. It also focusses on manipulation of fascia, spine, muscle energy and lymphatic pump.

Course Code or Number: PTELC 1115

Course Title: Quality assurance

Prerequisite:

Contents: This course provides sufficient knowledge about the concept and importance of total quality management, concept of continuous improvement, problem solving methods and different tools of quality and understanding the concept of evidence-based practice to ensure safety procedures for both patient and therapist.

Course Code or Number: PTELC 1116

Course Title: First aid

Prerequisite:

Contents: this course will help the student to do cardiopulmonary resuscitation to save individual's life either due to accident or vascular trauma. It also focuses on how to manage fracture and dislocation.

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