



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

**Department of Physical medicine, Rheumatology and
Rehabilitation department**

Course Report

**Human anatomy and embryology for physical
medicine ,Rheumatology & Rehabilitation
Doctorate degree**

April 2013

Physical medicine, Rheumatology and Rehabilitation Doctorate Degree Course Report
University: Tanta Faculty: Medicine Department: Physical medicine

A- Administrative Information

**1. Course title: human anatomy and embryology for Physical medicine,
Rheumatology and Rehabilitation for Doctorate degree**

Code: TMED 04-A-08 phys -med

**2. Department offering the course: Physical medicine, Rheumatology and
Rehabilitation department**

3. Academic year/ Level: second

4. Actual credit / taught hours:

- Lectures: 15 hours (1 credit hour)

5. The followed system used to choose the exam committee

**4 internal examiner and 1 external examiner will choose during the department
meeting**

6- The system used for external reviewing of the exam

Available √

Not available

7. Number of the staff teaching the course

Staff	Number
Professors	Prof.dr Nagat el gazar Prof.dr Mohamed Ezz EL- Din Prof.dr Hamdy Ahmed Khalf Prof.dr Safia el-sayed eid Prof.dr Mervat Ismail Prof.dr Mervat el sergany Prof.dr Elham Kasem Prof.dr Aly El-deep
Assistant professors	Prof.dr Hanan El sadany
Lecturers	Prof.dr Fahema Saad Prof.dr Amal el barbary
Assistant lecturers	
Demonstrators	

B-Specialized Information

I-Statistical Information

1. No. of students starting the course: 4 No. %

2. No. of students attending the exam : 4 No. % ...

3. Results:

• Passed: n 2 No. %

• Failed: 2 No %.....

4.Grading of completing students:

• Excellent: No % of total passing

• Very Good: No % of total passing

• Good : 2 No % of total passing

• Pass: No % of total passing

• fail: 2 No % of total

They don't achieve the wanted level of the knowledge

II -- Course Teaching

-Subjects that are learned

-> 80 % of learned subjects in relation to total course

Course topics	Teached topics
muscles and joint of the back,upper and lower limb & head and neck	√
Neuropathway	√
Spinal cord	√
Brainstem	
Thalamus	
Internal capsule	√
Cranial nerves	√
Spinal nerves	√
Peripheral nerves	√

- Staff commitment delivering all the contents of the course (the content was annexed)

< 60 % From 60-84% √ ≥ 85%

- How extent the exam covers the contents of the course

< 60 % From 60-84% √ ≥ 85%

- the exam paper will be annexed (**annex 1**)

question	ILOS	Course content
Written exam	A1,b1	Trigeminal nerve, upper limb nerves,back muscle
Oral exam	A1,b1,c1	all content

-Teaching methods

Lecture √

Case study √

Mention other activities

Practical training √

Field study

-Methods of Student assessment

Method of Assessment	%
Written examination	50% (100 degrees)
Oral examination	50% (100 degrees)
Total	100%(200 degrees)

3-Teaching facilities

-Scientific References

Available √

Limited Available

Un available

- Learning aids

Available

Limited Available √

Un available

- Laboratories and practical resources

Available

Limited Available √

Un available list any

4- Administrative constraints

No availability of models-

5-Student Evaluation of the course %

Increase variety of teaching methods . 100 % of student attending the course involved in the questioner (the statistics will be annexed)(annex 2)

6-Suggestion s for improving the course

Buy new models for demonstration

7- External Reviewer notes

1-the course is good Complete to some extent

8- Progress on actions identified in the previous year's action plan:

This is the first time to do the action plan.

9-In adequacies and causes:

مالم يتم تنفيذه من مقترحات التطوير فى العام السابق وما هى الأسباب

Adequacy	Academic staff	Non academic staff	Teaching accommodation	library	Laboratories and practical resources	IT facility
Totally adequate Fit for purpose	√		√	√	√	
Adequate to some extent, needs improvement		√				√
Inadequate Urgent need for improvement						

10-Action plan for the next Academic year:

	Fields of enhancement	Prescription	Timing		Person responsible
			Start date	Intended completion date	
1	Buy Models		November 2012	opened	Head of department

The annex

1) muscles and joint of the:

Head & neck

Back

Upper limb

Lower limb

2) Neuropathways

3) spinal cord

4) brain stem

5) thalamus

6) internal capsule

7) Spinal nerves.

8) cranial nerves

9) peripheral nerves

We verify that the above report and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

Name.....

Signature..... Date.....

Head of quality assurance unit:

Name.....

Signature..... Date.....

annex 1

Tanta university physical medicine written exam

Faculty of medicine number of question:4

Physical medicine department time allowed : 3 hours

April 10, 2013 total : 100 marks

M.D applied anatomy

1. give an account on major motor and collateral nerves of upper limb
2. discuss back muscle
3. discuss anatomy of trigeminal nerve

M.D applied physiology

1. discuss connections and functions of the cerebellm
2. give an account on physical fitness
3. discuss the following:
 - a) oedema
 - b) analgesia

annex 2

استبيان رضا طلاب الدراسات العليا دور ابريل 2013

الدرجة : الدكتوراة

القسم : الطب الطبيعي و الروماتيزم و التأهيل

اسم الطالب + معلومات الاتصال (اختياري):

5	4	3	2	1
ممتاز	جيد جدا	جيد	مقبول	ضعيف

برجاء وضع علامة فى الخانة التى تعبر عن رأيك وفقا للمقياس الآتى

التقييم					البند
5	4	3	2	1	
	2	2			سهولة سياسات وإجراءات القبول
	2	2			الالتزام بمحتوى ومواعيد المحاضرات
1	1	2			طرق التدريس وتكنولوجيا التعليم
1	2	1			البيئة التعليمية تتسم بالروح الطيبة و التعاون بين الزملاء
	2	2			تجهيزات المختبرات والمعامل وقاعات التدريس
		4			جزء كبير من البرنامج يعتمد على التعلم الذاتي
	2	2			المحتوى الدراسي يتسم بالعمق و الحداثة مقارنة بمستوى المراحل السابقة فى دراستك
		1	3		الأعمال الفصلية منتظمة و يتم تقييمها
		1	2	1	الامتحانات وطرق التقويم الأخرى المستخدمة تقيس مخرجات التعلم المستهدفة
		2	2		من خلال هذا البرنامج يمكن الحصول على المنح الدراسية
	1	1	2		يقوم القسم بتشجيع التميز العلمى
	1	1	2		يحتاج هذا البرنامج لدراسة تكنولوجيا المعلومات بدرجة
		2	2		الإمكانات البحثية المتاحة بالقسم
		1	2	1	الإشراف العلمى
		2	1	1	سياسات عدم التمييز والعدالة
	2	1	1		التسهيلات المتاحة بالمكتبة
	1	2	1		فاعلية المشاركة فى اللجان والمجالس الأكاديمية
	1	2	1		مصادقية الإدارة
	1	1	2		تفعيل آلية الشكاوى والمقترحات
				4	الخدمات المقدمة لذوي الاحتياجات الخاصة
	1	2		1	المرافق الخدمية فى القسم

مقترحات التحسين: (لا تلتزم بالمساحة الموجودة و يمكن استخدام ظهر الورقة للكتابة)



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

**Department of Physical medicine, Rheumatology and
Rehabilitation department**

Course Report

**physical medicine, Rheumatology and
Rehabilitation Doctorate degree**

April 2013

Physical medicine, Rheumatology and Rehabilitation Doctorate Degree Course Report
University: Tanta Faculty: Medicine Department: Physical medicine

A- Administrative Information

1. Course title: Physical medicine, Rheumatology and Rehabilitation for Doctorate degree

Code: TMED 04-A-08 phys -med

2. Department offering the course: Physical medicine, Rheumatology and Rehabilitation department

3. Academic year/ Level: second MD

4. Actual credit / taught hours:

• Theoretical:202h Practical : 8 16h Total : 1018 h

5. The followed system used to choose the exam committee

4 internal examiner and 3 external examiner will choose during the department meeting

6- The system used for external reviewing of the exam

Available √

Not available

7. Number of the staff teaching the course

Staff	Number
Professors	Prof.dr Nagat el gazar Prof.dr Mohamed Ezz EL- Din Prof.dr Hamdy Ahmed Khalf Prof.dr Safia el-sayed eid Prof.dr Mervat Ismail Prof.dr Mervat el sergany Prof.dr Elham Kasem Prof.dr Aly El-deep
Assistant professors	Prof.dr Hanan El sadany
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Assistant lecturers	
Demonstrators	

B-Specialized Information

I-Statistical Information

1. No. of students starting the course: 4 No. %

2. No. of students c attending the exam: 4 No. % ...

3. Results:

- Passed: n 2 No. %
- Failed: 2 No %.....

4. Grading of completing students:

- Excellent: No % of total passing
- Very Good: No % of total passing
- Good : 2 No % of total passing
- Pass: No % of total passing
- fail: 2 No % of total

They don't achieve the wanted level of the knowledge

II -- Course Teaching

-Subjects that are learned

- 80 % of learned subjects in relation to total course

Course topics	Teached topics
Rheumatology	√
Neurology	√
Rehabilitation	√
Orthotic and prosthesis	√
Physical medicine	√
EMG	√

- Staff commitment delivering all the contents of the course

< 60 % From 60-84% √ ≥ 85%

- How extent the exam covers the contents of the course

< 60 % From 60-84% √ ≥ 85%

- the exam paper will be annexed (**annex 1**)

question	ILOS	Course content
Question 1	a.1,b.1,b.2	rheumatology
Question 2	a.1,b1,b2	rheumatology
Question 3	a4,b1,b3,b5	Neurology and rehabilitation
Question 4	a1,b3	rheumatology
Question 5	a1,b1,b3	EMG
Question6	a1,a4,b2,b3,b5,b6	Orthotic & Physical modalities
Question 7	A4, ,b2,b3,b5	Neurology

question	ILOS	Course content
Question 8	A1,b4, b5,b6	Neurology
Oral exam	A1,a2,a3,a4,a9,b1,b2,b3,b4,b5,b6,b7	all content
Clinical exam	C1,c4,c5,c6, c7,c8	all content

- Blue print will be annexed (**annex 2**)

-Teaching methods

Lecture	√	Practical training	√
Case study	√	Field study	
Mention other activities			

-Methods of Student assessment

Method of Assessment	%
Written examination	200 degree 40%
Clinical examinations	200 degree 40%
Oral examination	100 degree 20%
Other types of assessment (log book)	Should be completed to allow student to attend the exam
Total	500 degree 100%

3-Teaching facilities

-Scientific References

Available √ Limited Available Un available

- Learning aids

Available Limited Available √ Un available

- Laboratories and practical resources

Available Limited Available √ Un available list any

4- Administrative constraints

No availability of inpatient for rheumatology-----

5-Student Evaluation of the course %

Increase variety of teaching methods 100 % of student attending the course involved in the questioner (the statistics will be annexed)(annex 3)

6-Suggestion s for improving the course

Opening inpatient unit to enhance clinical teaching

7- External Reviewer notes

1-the course is good and Complete to some extent please add some topics in the rehabilitation and methods used to evaluate student work

8- Progress on actions identified in the previous year's action plan: ما تم تنفيذه من مقترحات التطوير في العام السابق

Actions in order of priority	
1	We begin the first step to open the inpatient unit The indented completion date was opened

9-In adequacies and causes: ما لم يتم تنفيذه من مقترحات التطوير في العام السابق وما هي الأسباب

Adequacy	Academic staff	Non academic staff	Teaching accommodation	library	Laboratories and practical resources	IT facility
Totally adequate Fit for purpose	√		√	√	√	
Adequate to some extent, needs improvement		√				√
Inadequate Urgent need for improvement						

10-Action plan for the next Academic year:

	Fields of enhancement	Prescription	Timing		Person responsible
			Start date	Intended completion date	
1	opening inpatient unit to enhance clinical teaching		Novemb er 2012	opened	Staff members

The annex:

Rheumatology

Neurology

Rehabilitation

Orthotic and prosthesis

Physical medicine

EMG

II) - Clinical Cases

Rheumatology

Neurology

We verify that the above report and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

Name.....

Signature..... Date.....

Head of quality assurance unit:

Name.....

Signature..... Date.....

Tanta university physical medicine written exam

Faculty of medicine number of question:4

Physical medicine department time allowed : 3 hours

April 10, 2013 total : 100 marks

M.D Paper II

1. Discuss the following: (25 marks)
 - a) Proprioceptive and sympathetic fibers in idiopathic carpal tunnel
 - b) Single fiber EMG
2. Give an account on the following: (25 marks)
 - a)myoelectric prothesis
 - b) shock wave therapy
3. Discuss respirators. (25 marks)
4. Give an account on the following and its management: (25 marks)
 - a) Electric injuries.
 - b) Crush syndrome.

Annex 2

	Rheumatology &rehabilitation 54.75%	Physical modalities , EMG , orthotics & prosthesis 45.25%
Paper I		
I) a. circadian rhythm in rheumatic diseases and its clues to therapeutic intervention	* 12.5 marks	
I) b. vitamin D endocrine system in autoimmune rheumatic diseases.	* 12.5 marks	
II) Give an account on sleep problems in rheumatic diseases.	* 25 marks	
III) Discuss falls and abnormal gait in elderly people.	* 25 marks	
IV) . Give an account on: a) Micro RNA S as biomarkers in rheumatic diseases.	* 12.5marks	
IV) Give an account on: b) clinical significance of the following: 1- antinucleosome antibodies 2- antibodies against monometric c-reactive protein	* 12.5 marks	
Paper II		
I) Discuss the following: a. Proprioceptive and sympathetic fibers in idiopathic carpal tunnel		* 12.5 marks
b. Single fiber EMG		* 12.5 marks
II) Give an account on the following: a. myoelectric prothesis		* 12.5 marks
II) b. shock wave therapy		* 12.5 marks
III) Discuss respirators.		* 25 marks
IV) . Give an account on the following and its management: a) Electric injuries.		* 12.5 marks
b) Crush syndrome.		* 12.5 marks
	100/200 50%	100/200 50%

Annex 3

استبيان رضا طلاب الدراسات العليا دور ابريل 2013

الدرجة : الدكتوراة

القسم : الطب الطبيعي و الروماتيزم و التأهيل

اسم الطالب + معلومات الاتصال (اختياري):

5	4	3	2	1
ممتاز	جيد جدا	جيد	مقبول	ضعيف

برجاء وضع علامة في الخانة التي تعبر عن رأيك وفقا للمقياس الآتي

التقييم					البند
5	4	3	2	1	
	2	2			سهولة سياسات وإجراءات القبول
	2	2			الالتزام بمحتوى ومواعيد المحاضرات
1	1	2			طرق التدريس وتكنولوجيا التعليم
1	2	1			البيئة التعليمية تتسم بالروح الطيبة و التعاون بين الزملاء
	2	2			تجهيزات المختبرات والمعامل وقاعات التدريس
		4			جزء كبير من البرنامج يعتمد على التعلم الذاتي
	2	2			المحتوى الدراسي يتسم بالعمق و الحداثة مقارنة بمستوى المراحل السابقة في دراستك
		1	3		الأعمال الفصلية منتظمة و يتم تقييمها
		1	2	1	الامتحانات وطرق التقويم الأخرى المستخدمة تقيس مخرجات التعلم المستهدفة
		2	2		من خلال هذا البرنامج يمكن الحصول على المنح الدراسية
	1	1	2		يقوم القسم بتشجيع التميز العلمي
	1	1	2		يحتاج هذا البرنامج لدراسة تكنولوجيا المعلومات بدرجة
		2	2		الإمكانات البحثية المتاحة بالقسم
		1	2	1	الإشراف العلمي
		2	1	1	سياسات عدم التمييز والعدالة
	2	1	1		التسهيلات المتاحة بالمكتبة
	1	2	1		فاعلية المشاركة في اللجان والمجالس الأكاديمية
	1	2	1		مصادقية الإدارة
	1	1	2		تفعيل آلية الشكاوى والمقترحات
				4	الخدمات المقدمة لذوي الاحتياجات الخاصة
	1	2		1	المرافق الخدمية في القسم

مقترحات التحسين: (لا تلتزم بالمساحة الموجودة و يمكن استخدام ظهر الورقة للكتابة)



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

**Department of Physical medicine, Rheumatology and
Rehabilitation department**

Course Report

**physiology for physical medicine
,Rheumatology & Rehabilitation
Doctorate degree**

April 2013

Physical medicine, Rheumatology and Rehabilitation Doctorate Degree Course Report
University: Tanta Faculty: Medicine Department: Physical medicine

A- Administrative Information

1. Course title: Physical medicine, Rheumatology and Rehabilitation for Doctorate degree

Code: TMED 04-A-08 phys -med

2. Department offering the course: Physical medicine, Rheumatology and Rehabilitation department

3. Academic year/ Level: second

4. Actual credit / taught hours:

- Lectures: 15 hours (1 credit hour)

5. The followed system used to choose the exam committee

4 internal examiner and 1 external examiner will choose during the department meeting

6- The system used for external reviewing of the exam

Available \checkmark

Not available

7. Number of the staff teaching the course

Staff	Number
Professors	Prof.dr Nagat el gazar Prof.dr Mohamed Ezz EL- Din Prof.dr Hamdy Ahmed Khalf Prof.dr Safia el-sayed eid Prof.dr Mervat Ismail Prof.dr Mervat el sergany Prof.dr Elham Kasem Prof.dr Aly El-deep
Assistant professors	Prof.dr Hanan El sadany
Lecturers	Prof.dr Fahema Saad Prof.dr Amal el barbary
Assistant lecturers	
Demonstrators	

B-Specialized Information

I-Statistical Information

1. No. of students starting the course: 4 No. %

2. No. of students c attending the exam : 4 No. % ...

3. Results:

• Passed: n 2 No. % ...

• Failed: 2 No %.....

4.Grading of completing students:

• Excellent: No % of total passing

• Very Good: No % of total passing

• Good : 2 No % of total passing

• Pass: No % of total passing

• fail: 2 No % of total

They don't achieve the wanted level of the knowledge

II -- Course Teaching

-Subjects that are learned

- >80 % of learned subjects in relation to total course

Course topics	Teached topics
Cardiovascular system	
Muscle & nerve	√
metabolism	√
Respiratory system	√
Related specialty topics	√

- Staff commitment delivering all the contents of the course

< 60 % From 60-84% √ ≥ 85%

- How extent the exam covers the contents of the course

< 60 % From 60-84% √ ≥ 85%

-the exam paper will be annexed (**annex 1**)

question	ILOS	Course content
Written exam	A1,b1	Physical fitness , CNS, edema, nerve and muscle
Oral exam	A1,b1,c1	

-Teaching methods

Lecture	√	Practical training	√
Case study	√	Field study	
Mention other activities			

-Methods of Student assessment

Method of Assessment	%
Written examination	50% (100 degrees)
Oral examination	50%(100 degrees)
Total	100%(200 degrees)

3-Teaching facilities

-Scientific References

Available	√	Limited Available	Un available
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- Learning aids

Available	Limited Available	√	Un available
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- Laboratories and practical resources

Available	Limited Available	√	Un available list any
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4- Administrative constraints

-they did not have any new textbook- for physiology

5-Student Evaluation of the course %

Increase variety of teaching methods . 100 % of student attending the course involved in the questioner
the statistics will be annexed (**annex 2**)

6-Suggestion s for improving the course

Buy new textbook

7- External Reviewer notes

1-the course is good and complete to some extent

8- Progress on actions identified in the previous year's action plan:

This is the first time to do the action plan.

9-In adequacies and causes: مالم يتم تنفيذه من مقترحات التطوير في العام السابق وما هي الأسباب

Adequacy	Academic staff	Non academic staff	Teaching accommodation	library	Laboratories and practical resources	IT facility
Totally adequate Fit for purpose	√		√	√	√	
Adequate to some extent, needs improvement		√				√
Inadequate Urgent need for improvement						

10-Action plan for the next Academic year:

	Fields of enhancement	Prescription	Timing		Person responsible
			Start date	Intended completion date	
1	Buy textbook		November 2012	opened	Head of department

The annex :

Cardiovascular system and blood

- 1- Hemostasis, blood coagulation, anticoagulants & Hemorrhagic disorders.
- 2- Erythropoiesis & anemia.
- 3- Arterial blood pressure, types & pathophysiological basis of hypertension.
- 4- Body temperature regulation & fever.
- 5- Body volume; factors affecting and its regulation.
- 6- Cardiac output.
- 7- Heart rate & its regulation.

Muscle and nerve

- 8- Membrane potential & ion channels & pump.
- 9- Neuromuscular physiology

CNS

- 10- Pain sensation & pain analgesia system.
- 11- Motor part of the central nervous system.

Metabolism

- 12- Regulation of food intake and obesity
- 13- Alarm or stress response.
- 14- Glucose homeostasis & disturbances
- 15- Physiology of aging.

Related specialty systems:

1. Respiratory system.

Related specialty topics.

1. Integration and adjustment of organs, systems to athletic training & exercise.
2. Regulatory mechanisms involving receptors, second messenger & coordination of cellular metabolism to meet physiological challenge function.
3. Neurological disturbance resulting from diseases or damage to some regions of the nervous system.

We verify that the above report and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

Name.....

Signature..... Date.....

Head of quality assurance unit:

Name.....

Signature..... Date.....

Annex 1

Tanta university physical medicine written exam

Faculty of medicine number of question:4

Physical medicine department time allowed : 3 hours

April 10, 2013 total : 100 marks

M.D applied anatomy

1. Give an account on major motor and collateral nerves of upper limb
 2. Discuss back muscle
 3. Discuss anatomy of trigeminal nerve
-

M.D applied physiology

1. Discuss connections and functions of the cerebellm
2. Give an account on physical fitness
3. Discuss the following:
 - a) oedema
 - b) Analgesia

Annex 2

استبيان رضا طلاب الدراسات العليا دور ابريل 2013

الدرجة : الدكتوراة

القسم : الطب الطبيعي و الروماتيزم و التأهيل

اسم الطالب + معلومات الاتصال (اختياري):

5	4	3	2	1
ممتاز	جيد جدا	جيد	مقبول	ضعيف

برجاء وضع علامة فى الخانة التى تعبر عن رأيك وفقا للمقياس الآتى

التقييم					البند
5	4	3	2	1	
	2	2			سهولة سياسات وإجراءات القبول
	2	2			الالتزام بمحتوى ومواعيد المحاضرات
1	1	2			طرق التدريس وتكنولوجيا التعليم
1	2	1			البيئة التعليمية تتسم بالروح الطيبة و التعاون بين الزملاء
	2	2			تجهيزات المختبرات والمعامل وقاعات التدريس
		4			جزء كبير من البرنامج يعتمد على التعلم الذاتي
	2	2			المحتوى الدراسي يتسم بالعمق و الحداثة مقارنة بمستوى المراحل السابقة فى دراستك
		1	3		الأعمال الفصلية منتظمة و يتم تقييمها
		1	2	1	الامتحانات وطرق التقويم الأخرى المستخدمة تقيس مخرجات التعلم المستهدفة
		2	2		من خلال هذا البرنامج يمكن الحصول على المنح الدراسية
	1	1	2		يقوم القسم بتشجيع التميز العلمى
	1	1	2		يحتاج هذا البرنامج لدراسة تكنولوجيا المعلومات بدرجة
		2	2		الإمكانات البحثية المتاحة بالقسم
		1	2	1	الإشراف العلمى
		2	1	1	سياسات عدم التمييز والعدالة
	2	1	1		التسهيلات المتاحة بالمكتبة
	1	2	1		فاعلية المشاركة فى اللجان والمجالس الأكاديمية
	1	2	1		مصادقية الإدارة
	1	1	2		تفعيل آلية الشكاوى والمقترحات
				4	الخدمات المقدمة لذوي الاحتياجات الخاصة
	1	2		1	المرافق الخدمية فى القسم

مقترحات التحسين: (لا تلتزم بالمساحة الموجودة و يمكن استخدام ظهر الورقة للكتابة)