

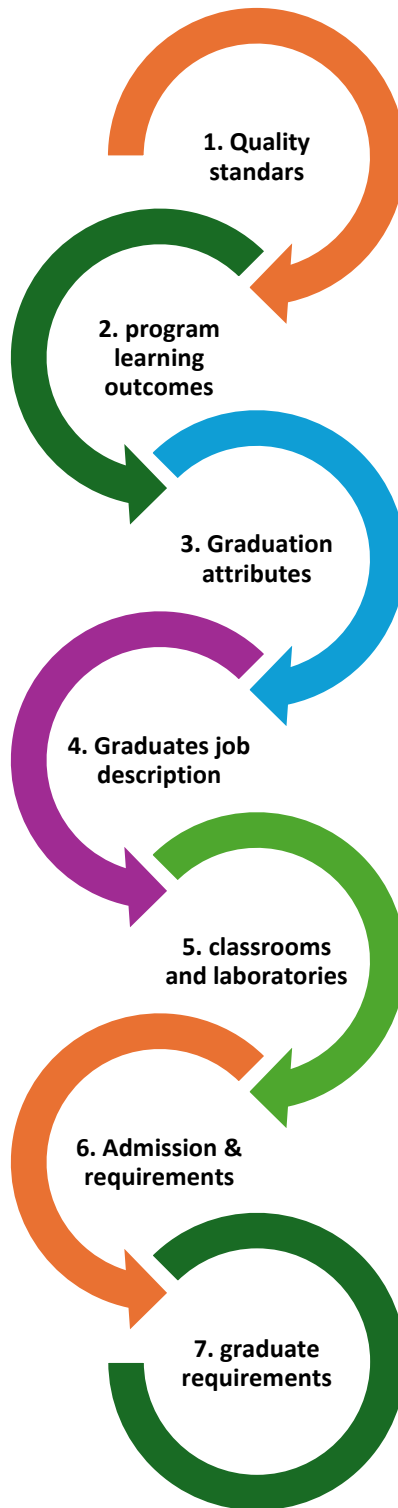


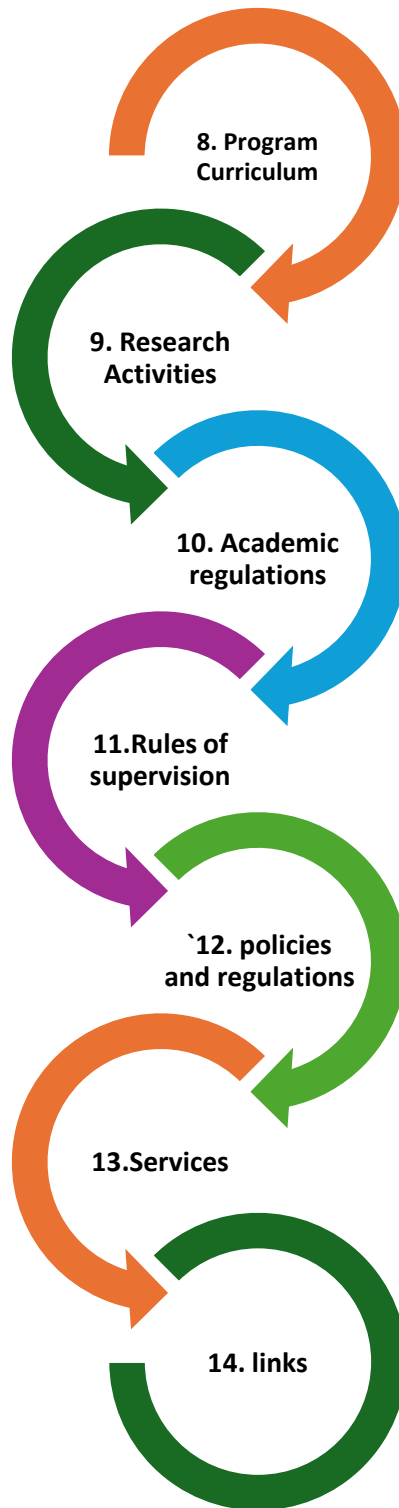
# **Rehabilitation Health Sciences Department Program Handbook Policies and Procedures 2025**

**Master of Science in Physical therapy**



**MSc PT Accreditation team**





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## A Message from the Head of RHS Department



**Dear reader,**

As we stand at the forefront of healthcare transformation and Saudi Vision 2030, we are excited to guide you through this the dynamic and academic journey in the Master's Program in Physical Therapy. We encourage you to review this guide thoroughly, as it will serve as a valuable resource about the program.

The MS in PT program is designed to equip the students with the knowledge and skills necessary to excel in a rapidly evolving healthcare landscape. Through the direct supervision of our dedicated teaching staff, they will engage in advance practices, evidence-based approaches, and selected topics that are essential in addressing the diverse needs of our communities.

We believe that with hard work, collaboration, and a commitment to excellence in quality, we will make a significant impact in the field of physical therapy and the lives of those we all serve. Heartfelt thanks to KSU and CAMS leaders and the RHS dedicated staff, whose unwavering support and commitment have made this program possible. Together, we will strive to enhance the quality of care and improve the overall health of our society.

Let us work collaboratively towards a healthier future!

**Best regards,**

**Dr. Saad Alhammad, PT, MS. PhD.**

Associate Professor

Head of RHS Department

[shammad@ksu.edu.sa](mailto:shammad@ksu.edu.sa)

# Master of Science in Physical Therapy (MSc PT)

The program is designed for physical therapists who wish to advance their clinical expertise, research skills, and leadership abilities. The program aims to prepare graduates to become specialized practitioners, researchers, and educators capable of contributing to the development of evidence-based practice and the advancement of rehabilitation services at the local, regional, and international levels.

## I. Missions, Visions, And Goals

### a. King Saud University Vision and values

- **Vision**

- To be a world class university and a leader in building the knowledge society
- To provide distinctive education, produce creative research, serve society and contribute in building the knowledge economy and community through learning, creative thinking environment, the optimal use of technology and effective international partnership.

- **Values**

Based on our Islamic and cultural values, we uphold:

- **Quality and excellence:** We measure ourselves according to challenging criteria, honoring high ambitions and the pursuit of distinctiveness through our commitment to the highest intellectual standards in teaching, learning, and innovation.
- **Leadership and teamwork:** We remain committed to promoting individual and institutional leadership roles that drive social development upholding professionalism, responsibility, and innovation.
- **Freedom of inquiry:** Rigorous and honest intellectual exploration is fundamental to our academic traditions, and it is reflected in all the dimensions of our scholarly activities.
- **Fairness and integrity:** We abide by the principles of social justice, equal opportunity, and cultural diversity, consequently holding the members of our community to the highest standards of honesty, respect, and professional ethics.
- **Transparency and accountability:** We remain committed to exposing our thinking and ideas for society and scholars to judge our contributions to global knowledge, and we hold accountable everybody in our community for respecting and upholding our values in all forms of their scholarly activities.
- **Lifelong learning:** We are committed to lifelong learning inside and outside the KSU community, enhancing continued intellectual growth and the welfare of society

## b. College of Applied Health Sciences vision and mission

The College of Applied Medical Sciences at King Saud University was established in 1979 and is considered one of the first colleges in its field at the local and regional levels to offer a bachelor's degree. The Department of Health Rehabilitation Sciences was the first department in the Kingdom and the Arab Gulf states, which was established at the beginning of the establishment of the college with two other departments.

- **Vision**

Regional leadership with a global reputation in the fields of applied medical sciences

- **Mission**

To contribute in the promotion of the health services for the Saudi community through producing qualified professionals with the ability to compete internationally in applied medical professions, to provide an environment that encourages learning and creativity, and to produce scientific research that contributes in building a knowledge society.

- **Values**

- **Quality and excellence:** CAMS measures the overall performance through the application of high-level standards in teaching, learning and innovation.
- **Leadership and teamwork:** CAMS is committed to strengthening the leadership roles on individual and institutional levels, and combine action to achieve its mission and objectives.
- **Freedom of inquiry:** CAMS is committed to encourage intellectual exploration and consolidation of rigorous academic tradition in all aspects of scientific and educational activities.
- **Fairness and integrity:** CAMS is committed to the principles of social justice and equal opportunity, honesty, respect and professional ethics.
- **Transparency and accountability:** CAMS is committed to document all procedures, and offer ideas to the community to measure the extent of its contributions to global knowledge.
- **Lifelong learning:** CAMS is committed to support continuous learning, to promote intellectual and professional growth, and the well-being of community development

## c. Mission, Goals, and department Learning Outcomes

The Department of Health Rehabilitation started with one program, which is the physical therapy program. The department and the college were convinced of the importance of development and keeping pace with professional and academic changes. Therefore, and upon the approval of the university, three other academic programs were developed at different stages; namely, the speech and hearing disorders treatment program, the occupational therapy program, and the respiratory therapy program. The average annual enrollment of the department for the undergraduate level is 150 male and female students, and the number of the department's graduates now exceeds 4000 male and female graduates. Over the past four decades, the department has been able to provide the health, research, and academic sectors in the Kingdom with distinguished competencies who have contributed to the development process that the Kingdom has witnessed since its establishment, and many of them have held leadership positions in higher education institutions and health and research facilities in the Kingdom.

## d. Mission, Goals, and Program MSc PT

- **Mission:**

Contributing to the development and enhancement of knowledge in the fields of physical therapy, through providing an educational and research-oriented environment that encourages research and innovation, which will serve the health and research needs of the community.

- **Goals:**

- The physical therapy master program is closely linked to, and consistent with, the mission of the Rehabilitation Health Science Department, which is in turn consistent with the college and KSU missions and contributes toward its success. The PT master program contributes in a significant way to fulfilling the institutional missions by providing graduates who are competitive in the workplace and in covering the needs of local and regional communities. Furthermore, many of our graduates pursue PhD studies locally or abroad in well ranked universities. More specifically, our goals support the effort of the institution to foster creative and innovative research. address responsibilities and ethical values and focus on individual abilities and self-development. Furthermore, supports the leadership and competitiveness levels that both the college and the University expect to reach regionally and worldwide related to the physical therapy field in general.
- To graduate competent specialists in the field of physical therapy and related subspecialties who contribute to treatment and rehabilitation care and help to improve the quality of rehabilitation services offered across the Kingdom.

- To enhance the quality of research and scientific production, which contributes to the development of a knowledge-based economy and facilitates evidence-based practice.
- To improve general health and wellness through providing training, initiative, and leadership in physical therapy community services.
- To develop and increase opportunities for cooperation with health institutions, research centers, and other academic institutions at the national and international levels

## II. Program Learning Outcomes:

| Knowledge and Understanding:          |                                                                                                                                                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K1                                    | Appraise advanced and in-depth knowledge of physical therapy theories, principles, and concepts related to practice and research.                           |
| K2                                    | Integrate advanced knowledge and understanding of recent physical therapy methods in evaluation, and treatment.                                             |
| K3                                    | Evaluate the research requirements and inquiry methodologies in different fields of physical therapy.                                                       |
| Skills:                               |                                                                                                                                                             |
| S1                                    | Practice advanced principles related to evaluation, and management in various physical therapy specialties.                                                 |
| S2                                    | Construct research and clinical experiments that serve different physical therapy specialties to enhance individual and community health.                   |
| S3                                    | Utilize digital software and tools to process data and information quantitatively and qualitatively.                                                        |
| S4                                    | Adapt critical judgment in utilizing clinical data and research findings to provide solutions for current issues in physical therapy practice.              |
| S5                                    | Communicate effectively to disseminate advanced knowledge, practice skills, innovations and research findings related to different physical therapy fields. |
| Values, Autonomy, and Responsibility: |                                                                                                                                                             |
| V1                                    | Implement integrity, academic values, and ethics with professionalism in various physical therapy specialties.                                              |
| V2                                    | Exhibit leadership skills and autonomy in conducting research and clinical practice related to different physical therapy fields                            |

### a. Teaching and learning strategies applied to achieve program learning outcomes:

The teaching and learning methods for the Master of Science in Physical Therapy (MSc PT) should be pedagogically sound and carefully selected as part of an overall strategy that utilizes the best online and on-campus practices to achieve the outcomes and appropriately assess achievements. The program provides students with a variety of learning and teaching methods to facilitate participants' learning outcomes, including:

- **Traditional lecture-based learning:** It involves instructors presenting information verbally to students in a classroom setting to provide a comprehensive overview of the subject matter in physical therapy. It also offers opportunities for direct interaction between the instructor and students, allowing for immediate clarification of concepts and questions.
- **Active engagement learning:** The implementation of interactive learning strategies encompasses small group and paired discussions, online discussion forums case studies, debates, peer reviews critiques, as well as collaborative problem-solving.

- **Seminars and independent study:** These are opportunities to deepen and extend students' knowledge of topics covered in a module. In order to understand the theoretical and evidence base that underpins the module, students are encouraged to take the lead in discussing relevant articles, policies and theoretical frameworks. To discuss assigned topics and issues, students work individually or in small groups under tutor supervision. Students learn by confronting and discussing practice questions during seminar teaching methods
- **Blended learning** uses online and offline technologies in tandem, allowing instructors to quickly adopt the latest learning trends and modalities into the curriculum. Instructors can also use built-in reporting features in most KSU- LMS software programs and/or Web-based education for deeper, data driven insights into student progress and success.
- **Research skills-based activities:** Involve engaging students in tasks that develop their ability to locate, evaluate, and use information effectively. The benefits of these activities are that they enhance critical thinking, problem-solving abilities, and information literacy, preparing students for academic and professional success.
- **Procedures to ensure a healthy and safe learning environment:**
  - To foster a proactive safety culture, all members of the learning community – faculty, staff, and students – are obligated to follow documented safety procedures and promptly report any safety concerns or hazards
  - Risk assessments and safety policy of the program and its related are reviewed annually and updated as required
  - "Assessments undergo an annual review process to ensure their effectiveness and alignment with learning objectives. Updates are implemented as needed to maintain a high-quality and safe learning experience."
  - To ensure a smooth examination process, the teaching faculty are required to submit all necessary materials and apparatus to the relevant Committee well in advance of each semester, allowing ample time for preparation.
  - Moreover, creating a safe and healthy learning environment involves a multifaceted approach.

**Supportive supervisors:** provide guidance from faculty

**Positive relationships:** Foster a supportive and respectful environment where students feel valued and connected to teachers and peers.

**Conflict resolution:** Teach conflict resolution skills and provide opportunities for mediation and restorative justice.

**Work-life balance:** Encourage healthy work-life balance practices, recognizing the demands of research and coursework.

**Ethical conduct:** Emphasize ethical research practices

Additionally, ensure Physical Safety through

- Well-maintained facilities: Ensure labs, research spaces, and common areas are safe and well-maintained, with adequate safety equipment and protocols.
- Emergency preparedness: Conduct regular safety drills and provide training on emergency procedures.

## b. Assessment Methods for program learning outcomes:

- Direct and indirect assessment methods will be used to assess the achievement of program learning outcomes. The methods used for direct assessment are research projects and examinations (quizzes, assignments, reports, midterms, and final exams).

| Knowledge and understanding |                                                                                                                                                    |                                                                                                                                  |                                                                                                                                                                                                                                                                             |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K1                          | Apprise advanced and in-depth knowledge of physical therapy theories, principles, and concepts related to clinical practice and research.          | Lectures include both traditional and interactive lectures.<br><br>Small group workshops<br><br>Class discussions and activities | Written Examinations including different formats and include online multiple-choice examinations, web- based peer assessment, essay, and short answer questions.<br><br>Written work/ assignments (individual/group)<br><br>Oral /poster presentations using grading rubric |
| K2                          | Integrate advanced knowledge and understanding of recent physical therapy methods in evaluation, and treatment.                                    |                                                                                                                                  |                                                                                                                                                                                                                                                                             |
| K3                          | Evaluate the research requirements and inquiry methodologies in different fields of physical therapy.                                              |                                                                                                                                  |                                                                                                                                                                                                                                                                             |
| Skills                      |                                                                                                                                                    |                                                                                                                                  |                                                                                                                                                                                                                                                                             |
| S1                          | Practice advanced principles related to evaluation, and management in various physical therapy specialties.                                        | Lectures include both traditional and interactive lectures                                                                       | Written Examinations including multiple-choice examinations, web- based peer assessment, essay, and short answer questions                                                                                                                                                  |
| S2                          | Construct advanced research and clinical experiments that serve different physical therapy specialties to enhance individual and community health. | Reading and critically analyzing scientific journals, textbooks, and other sources                                               | Written work/ assignments (individual/group)<br><br>Oral assessment includes individual/ group                                                                                                                                                                              |

|               |                                                                                                                                                             |                                                                                                                            |                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
|               |                                                                                                                                                             |                                                                                                                            | assignment presentations and seminars using rubrics                             |
| S3            | Utilize digital software and tools to process data and information quantitatively and qualitatively.                                                        | Independent study<br>Research study                                                                                        | Assignments<br>Seminar presentations<br>Thesis                                  |
| S4            | Adopt critical judgment in utilizing clinical data and research findings to provide solutions for current issues in physical therapy practice.              | Case scenarios<br>Seminars                                                                                                 | Case presentation<br>Thesis                                                     |
| S5            | Communicate effectively to disseminate advanced knowledge, practice skills, innovations and research findings related to different physical therapy fields. | Conduct research study<br>Seminars                                                                                         | Seminar presentations<br>Written work/ assignments (individual/group)<br>Thesis |
| <b>Values</b> |                                                                                                                                                             |                                                                                                                            |                                                                                 |
| V1            | Implement integrity, academic values, and ethics with professionalism in various physical therapy specialties.                                              | Guiding and providing Effective assistance for the students through different activities such as searching selected topics | Observation checklist, rubric assessment.<br>Seminar presentations<br>Thesis    |
| V2            | Exhibit leadership skills and autonomy in conducting research and clinical practice related to different physical therapy fields                            |                                                                                                                            |                                                                                 |

\*The indirect assessment methods are surveys and feedback from students, alumni, and stakeholders, focused discussion groups, and other statistics (the successful completion of students in postgraduate studies.

### III. Graduate Attributes

- **Specialist:** They will have deep knowledge of concepts, terminology, and theories of physical therapy and rehabilitation field.
- **Effective communicator:** They will be able to communicate effectively in both Arabic and English in the academic field and work environment.
- **Leader:** Work effectively in a team environment, providing leadership, team building, exerting positive influence and demonstrating project management skills.

- **Honest:** They will demonstrate a knowledge of ethical, social, cultural and environmental issues relating to their disciplines.
- **Ambitious:** They are lifelong learners. They are open, curious, willing to investigate, and consider new knowledge and ways of thinking. They will have ongoing professional development and personal growth and enhancement.
- **Researcher:** They will be able to conduct original and distinguished scientific research in the physical therapy field according with the directions of the Kingdom and publish in approval publications.

## IV. Graduates Job Description:

**Professional Title:** Senior Physical Therapy Specialist

**Job description of Senior physical therapy Specialist:**

- Work of specialists in physical therapy in the rehabilitation of partial and total disability or permanent bidder resulting from disease or injury in accidents.
- Physical therapy provides direct patient service, consultation and is often engaged in research. They also serve in administrative capacities, including supervising and delegating responsibilities
- Members of the physical therapy service. They work in primary, secondary and tertiary health care settings.
- Senior Physical therapists are also engaged in the development of new approaches of intervention that will more effectively meet existing and emerging health needs in society including health promotion and disability prevention programs.
- Physical therapists are dedicated to improving the ability of an individual to function successfully regardless of the reason for disability: disease or trauma, developmental or acquired, acute or chronic in nature.
- They are effective working with people of any age with a wide variety of functional limitations. Physical therapists also contribute significantly to the development of standards of practice in and to the development of relevant health policy.

**Professions/jobs for which students are qualified:**

Physical therapists work as members of healthcare teams, and can work in the following areas:

- a. Senior physiotherapist in various governmental and private sectors.
- b. Educator in the academic institute
- c. Administrator
- d. Researcher

Graduates of the program can work in a wide variety of societies, governmental and private sectors:

- a. Government and private Universities
- b. Government and private hospitals and clinics
- c. Government and private Rehabilitation centers
- d. Sports clubs
- e. Research centers

## **V. Classrooms and Laboratories**

### **A. Program Classrooms**

The Physiotherapy Program has provided classrooms that are fully equipped with the technology needed in order to support the learning process. The KSU eLearning unit is fully committed to making effective use of learning technology, adding a creative dimension to learning and teaching using e-learning in a flexible, accessible and integrated manner. Hence, all the classes and labs are provided with computing resources, multimedia such ePodiums, smart boards, projectors, speakers etc., and internet availability with strong and stable connection as well as good and adequate air conditioning and ventilation. Moreover, all these classes were provided with all the safety considerations needed including safety signs on the walls of the classes and laboratories, displaying the emergency contact number, as well as fire extinguishers and blankets.

### **B. Program Labs**

Physical therapy program has many well-equipped laboratories in which some the practical courses are applied. Students are divided into groups and practice under supervision of the program's teaching staff.

- ✓ Kinetic Exercise Lab building 24 + building 11
- ✓ Cardiac Rehabilitation Laboratory building 11
- ✓ Anatomy Labs building 24 + building 11
- ✓ Motion Analysis Lab building 24 + building 11
- ✓ Balance Test Lab building 24 + building 11
- ✓ Cardio-pulmonary lab building 11
- ✓ Electrotherapy Lab building 24 + building 11
- ✓ Prosthetic Devices Lab building 11

## Electro- Therapy Lab 1



## Electro- Therapy Lab 2



## **Cardio Rehabilitation Lab**



## **Prosthetic & Orthotic Lab**



## **Physical Fitness**



## **Anatomy & Physiology Lab**



## **Respiratory Therapy Lab 1**



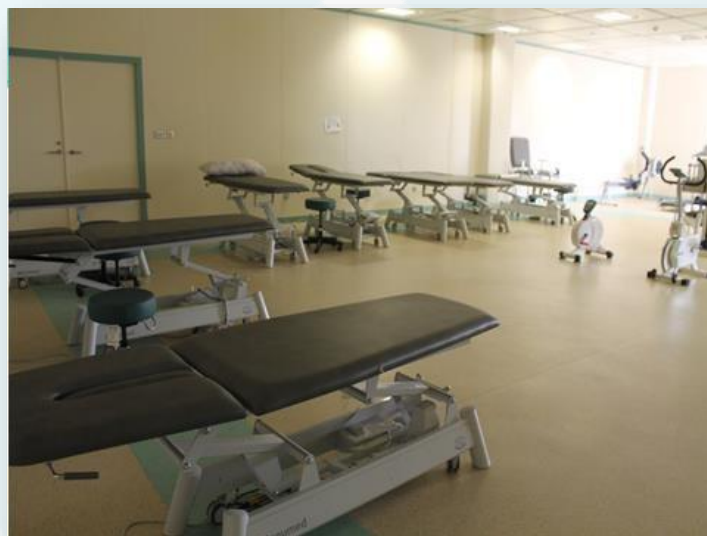
## **Respiratory Therapy Lab**



## Balance Lab



## Therapeutic Exercise Lab 1



## VI. Admission & requirements:

### a. University and program requirements:

Enrollment for the program is annually at the start of the academic year. Students must apply via the deanship's admission and registration website based on eligibility criteria. The program accepts a total of 40 students: male section (n=20) and female sections (n=20). Based on annual recommendation of the department council and approval of both college and graduate studies councils. Graduate Student handbook describing the general process of registration using the following link.

| LEVEL OF ADMISSION                                         | Requirements*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | More Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>KSU's Admission requirements.</b><br>(updated annually) | <ul style="list-style-type: none"> <li>The following general requirements should be satisfied based on the recommendations of the Deanship of Graduate Studies Council for admission to the Graduate Studies.</li> <li>The applicant must have a university degree from a Saudi university or from another recognized university.</li> <li>A score of at least 70 in the General Aptitude Test, except for students on external scholarships and (executive / medical education) programs.</li> <li>Two recommendation letters.</li> <li>The applicant must have a record of good behavior and be medically fit.</li> </ul>                                                                                                     | <ol style="list-style-type: none"> <li><a href="https://dgs.ksu.edu.sa/Account/Login?ReturnUrl=/">https://dgs.ksu.edu.sa/Account/Login?ReturnUrl=/</a></li> <li><a href="https://dgs.ksu.edu.sa/User/Student/ProgramPreview/Index">https://dgs.ksu.edu.sa/User/Student/ProgramPreview/Index</a></li> <li><a href="https://graduatestudies.ksu.edu.sa/en/node/3322">https://graduatestudies.ksu.edu.sa/en/node/3322</a></li> <li><a href="https://graduatestudies.ksu.edu.sa/en/node/3277">https://graduatestudies.ksu.edu.sa/en/node/3277</a></li> <li>Documentation and Archive Unit:<br/><a href="https://graduatestudies.ksu.edu.sa/en/node/654">https://graduatestudies.ksu.edu.sa/en/node/654</a></li> </ol> |
| <b>Program Requirements</b><br>(updated annually)          | <ul style="list-style-type: none"> <li>Applicant must hold a full-time bachelor's degree in physiotherapy from King Saud University or any accredited university, with a minimum of a "Good" (2.75/5) GPA or equivalent.</li> <li>English language proficiency is required for candidates who have not graduated from countries that use English as a first language.</li> <li>All the English tests will not be accepted after two years of the obtaining date.</li> <li>A score of at least 5 in the IELTS- Academic test or equivalent, or applicants must hold a degree from a country whose official language is English, and the language of instruction was English, according to the approved deanship list.</li> </ul> | <ol style="list-style-type: none"> <li><a href="https://dgs.ksu.edu.sa/Account/Login?ReturnUrl=/">https://dgs.ksu.edu.sa/Account/Login?ReturnUrl=/</a></li> <li><a href="https://dgs.ksu.edu.sa/User/Student/ProgramPreview/Index">https://dgs.ksu.edu.sa/User/Student/ProgramPreview/Index</a></li> <li><a href="https://graduatestudies.ksu.edu.sa/en/node/3322">https://graduatestudies.ksu.edu.sa/en/node/3322</a></li> </ol>                                                                                                                                                                                                                                                                                 |

b. The applicant references: Revised annually

| <u>The reference</u>         | <u>QR code</u>                                                                       |
|------------------------------|--------------------------------------------------------------------------------------|
| <u>Applicant guide:</u>      |    |
| <u>The Admission rules</u>   |   |
| <u>Application periods</u>   |  |
| <u>Postgraduate programs</u> |  |
| <u>Applicant gate</u>        |  |

## VII. Graduates Requirements

### a. Terms of Graduation

To obtain a master's degree in collage of Applied Medical Sciences in the field of rehabilitation health sciences- physical therapy Program from King Saud University, students must successfully pass 26 credit hours – four

### b. Graduates Requirements

| Type of Courses  | No. of Courses     | No. of Units Required                        |
|------------------|--------------------|----------------------------------------------|
| Core courses     | (8) courses        | (16) Study unit                              |
| Elective courses | (3) for each Track | (9) Study unit                               |
| Thesis           | (1)                | (1) Study unit                               |
| Total            | (12)               | (25) Study unit + (1) study units for thesis |

## VIII. Program Curriculum

### a. Curriculum Structure:

| Program Structure           | Required/<br>Elective | No. of<br>courses | Credit<br>Hours | Percentage |
|-----------------------------|-----------------------|-------------------|-----------------|------------|
| <b>Course</b>               | Required              | <b>8</b>          | <b>16</b>       | <b>61</b>  |
|                             | Elective              | <b>3</b>          | <b>9</b>        | <b>35</b>  |
| Graduation Project (if any) |                       | -                 | -               | -          |
| Thesis (if any)             |                       | 1                 | 6               | 4          |
| Field Experience (if any)   |                       | -                 | -               | -          |
| Others (.....)              |                       | -                 | -               | -          |
| <b>Total</b>                |                       | <b>12</b>         | <b>26</b>       | <b>100</b> |

### b. Program Courses

| First year -semester 1 (level-1) |                                     |                                 |   |   |   |                         |                              |
|----------------------------------|-------------------------------------|---------------------------------|---|---|---|-------------------------|------------------------------|
| Course<br>Code                   | Course Title                        | Distribution of Credit<br>Hours |   |   |   | Required<br>or Elective | Pre-<br>Requisite<br>Courses |
|                                  |                                     | CrH                             | T | P | C |                         |                              |
| RHS 501                          | Functional Anatomy                  | 2                               | 1 | 1 | - | Required                | NA                           |
| RHS 502                          | Research Methodology and Statistics | 2                               | 2 | - | - | Required                | NA                           |
| RHS 503                          | Tests and Measurements              | 2                               | 1 | 1 | - | Required                | NA                           |
|                                  | Elective course (1)                 | 3                               | 2 | 1 | - | Elective                | NA                           |
|                                  |                                     | 9                               | 6 | 3 | - |                         |                              |

**First year -Semester 2 (level-2)**

| Course Code | Course Title        | Distribution of Credit Hours |   |   |   | Required or Elective | Pre-Requisite Courses |
|-------------|---------------------|------------------------------|---|---|---|----------------------|-----------------------|
|             |                     | CrH                          | T | P | C |                      |                       |
| RHS 504     | Exercise physiology | 3                            | 2 | 1 | - | Required             | NA                    |
| RHS 505     | Research Seminars   | 2                            | 2 | - | - | Required             | NA                    |
|             | Elective course (2) | 3                            | 2 | 1 |   | Elective             | NA                    |
|             |                     | 8                            | 6 | 2 | - |                      |                       |

**Second year -Semester 3 (level-3)**

| Course Code | Course Title                          | Distribution of Credit Hours |   |   |   | Required or Elective | Pre-Requisite Courses |
|-------------|---------------------------------------|------------------------------|---|---|---|----------------------|-----------------------|
|             |                                       | CrH                          | T | P | C |                      |                       |
| RHS 506     | Psychological & Social Rehabilitation | 2                            | 2 | - | - | Required             | NA                    |
| RHS 507     | Biomechanics                          | 2                            | 1 | 1 | - | Required             | NA                    |
| RHS 596     | Research proposal plan                | 1                            | 1 | - | - | Required             | NA                    |
|             | Elective course (3)                   | 3                            | 1 | 2 | - | Elective             | NA                    |
|             |                                       | 8                            | 5 | 3 |   |                      |                       |

### c. Elective Courses

| Year            | Level   | Course Code | Course Title                                       | Required or Elective | Pre-Requisite Courses | Credit Hours |
|-----------------|---------|-------------|----------------------------------------------------|----------------------|-----------------------|--------------|
| 1 <sup>st</sup> | Level 1 | RHS 508     | Physical Therapy for Neurological Disorder (1)     | Elective             | NA                    | 3            |
|                 |         | RHS 511     | Physical Therapy Pediatric (1)                     | Elective             | NA                    | 3            |
|                 |         | RHS 514     | Physical Therapy for Cardiopulmonary Disorders (1) | Elective             | NA                    | 3            |
|                 |         | RHS 517     | Physical Therapy for Orthopedic Disorder (1)       | Elective             | NA                    | 3            |
|                 |         | RHS 520     | Physical Therapy in Geriatrics (1)                 | Elective             | NA                    | 3            |
|                 | Level 2 | RHS 509     | Physical Therapy for Neurological Disorder (1)     | Elective             | NA                    | 3            |
|                 |         | RHS 512     | Physical Therapy Pediatric (2)                     | Elective             | NA                    | 3            |
|                 |         | RHS 515     | Physical Therapy for Cardiopulmonary Disorders (2) | Elective             | NA                    | 3            |
|                 |         | RHS 518     | Physical Therapy for Orthopedic Disorder (2)       | Elective             | NA                    | 3            |
|                 |         | RHS 521     | Physical Therapy in Geriatrics (2)                 | Elective             | NA                    | 3            |
| 2 <sup>nd</sup> | Level 3 | RHS 510     | Physical Therapy for Neurological Disorder (3)     | Elective             | NA                    | 3            |
|                 |         | RHS 513     | Physical Therapy Pediatric (3)                     | Elective             | NA                    | 3            |
|                 |         | RHS 516     | Physical Therapy for Cardiopulmonary Disorders (3) | Elective             | NA                    | 3            |
|                 |         | RHS 519     | Physical Therapy for Orthopedic Disorder (3)       | Elective             | NA                    | 3            |

## IX. Learning Outcomes in Domains of Learning, Teaching Strategy and Assessment Methods:

| NQF Learning Domains and Learning Outcomes |                                                                                                                                                             | Teaching Strategies                                                                                                              | Assessment Methods                                                                                                                                                                                                                                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Knowledge and understanding                |                                                                                                                                                             |                                                                                                                                  |                                                                                                                                                                                                                                                                    |
| K1                                         | Apprise advanced and in-depth knowledge of physical therapy theories, principles, and concepts related to clinical practice and research.                   | Lectures include both traditional and interactive lectures.<br><br>Small group workshops<br><br>Class discussions and activities | Written Examinations including different formats and include online multiple-choice examinations, web-based peer assessment, essay, and short answer questions.<br>Written work/ assignments (individual/group)<br>Oral /poster presentations using grading rubric |
| K2                                         | Integrate advanced knowledge and understanding of recent physical therapy methods in evaluation, and treatment.                                             |                                                                                                                                  |                                                                                                                                                                                                                                                                    |
| K3                                         | Evaluate the research requirements and inquiry methodologies in different fields of physical therapy.                                                       |                                                                                                                                  |                                                                                                                                                                                                                                                                    |
| Skills                                     |                                                                                                                                                             |                                                                                                                                  |                                                                                                                                                                                                                                                                    |
| S1                                         | Practice advanced principles related to evaluation, and management in various physical therapy specialties.                                                 | Lectures include both traditional and interactive lectures                                                                       | Written Examinations including multiple-choice examinations, web-based peer assessment, essay, and short answer questions                                                                                                                                          |
| S2                                         | Construct advanced research and clinical experiments that serve different physical therapy specialties to enhance individual and community health.          | Reading and critically analyzing scientific journals, textbooks, and other sources                                               | Written work/ assignments (individual/group)<br>Oral assessment includes individual/group assignment presentations and seminars using rubrics                                                                                                                      |
| S3                                         | Utilize digital software and tools to process data and information quantitatively and qualitatively.                                                        | Independent study<br>Research study                                                                                              | Assignments<br>Seminar presentations<br>Thesis                                                                                                                                                                                                                     |
| S4                                         | Adopt critical judgment in utilizing clinical data and research findings to provide solutions for current issues in physical therapy practice.              | Case scenarios<br>Seminars                                                                                                       | Case presentation<br>Thesis                                                                                                                                                                                                                                        |
| S5                                         | Communicate effectively to disseminate advanced knowledge, practice skills, innovations and research findings related to different physical therapy fields. | Conduct research study<br>Seminars                                                                                               | Seminar presentations<br>Written work/ assignments (individual/group)<br>Thesis                                                                                                                                                                                    |
| Values                                     |                                                                                                                                                             |                                                                                                                                  |                                                                                                                                                                                                                                                                    |
| V1                                         | Implement integrity, academic values, and ethics with professionalism in various physical therapy specialties.                                              | Guiding and providing Effective assistance for the students through different activities such as searching selected topics       | Observation checklist, rubric assessment.<br>Seminar presentations<br>Thesis                                                                                                                                                                                       |
| V2                                         | Exhibit leadership skills and autonomy in conducting research and clinical practice related to different physical therapy fields                            |                                                                                                                                  |                                                                                                                                                                                                                                                                    |

## **X. Study plan:**

### **a. Courses description:**

#### **1. RHS 501: FUNCTIONAL ANATOMY (2 Cr.):**

This course focuses on functional human anatomy as a basic science necessary for safe medical and paramedical practice. It is an overview of human anatomy (i.e., body structure and function), given in preparation for later courses that cover anatomical regions in greater depth. Special emphasis will be given on the Musculoskeletal, Nervous, Cardiovascular systems and development.

#### **2. RHS 502: RESEARCH METHODOLOGY AND STATISTICS (2 Cr.):**

This course explains the steps of the clinical research process. Identification of research problems and formulating research questions, research objectives and hypotheses will be discussed. This course will cover the different types of clinical research methods. Students will also be exposed to the components of research proposals. Additional topics such as searching medical databases, appraisal of research studies and evidence to practice translation will also be covered.

#### **3. RHS 503: TESTS AND MEASUREMENTS (2 Cr.):**

This course discusses the concept of measurement related to rehabilitation. Measurement theories will be discussed with an emphasis on classical test theory. The course focuses on the evaluation of the measurement properties of patient-reported outcome measures including its reliability, validity, responsiveness, and interpretability.

#### **4. RHS 504: EXERCISE PHYSIOLOGY (3 Cr.):**

Advanced study of the functional relationships for the different systems. And the study of the different exercises whether passive or active for upper and lower extremities on functions and different reactions of body systems. And the hormonal response to different exercises with practical applications for studying the effect of exercises.

#### **5. RHS 505: RESEARCH SEMINARS (2 Cr.):**

This course describes descriptive and inferential statistics commonly used in clinical research. The course focuses on choosing appropriate statistical test, using statistical software to conduct the analysis, interpretation and reporting of the results. Inferential statistical analyses include but not limited to independent t-test, dependent t-test, Analysis of Variance (ANOVA) and correlation.

#### **6. RHS 506: PSYCHOLOGY AND SOCIAL REHABILITATION (2 Cr.):**

Study of different theories of human behavior and the factors which help in the formation of personality. And a study of the reactions between persons and their reactions in facing the different situations. Relationship between the human being and the family and society and the stages of growth and development of personality. In addition to that, recognition of psychology theories of the patients who suffer from damage or disability or handicap. Study of the

psychological and behavioral deviations and psychology of the abnormal and methods of evaluation and development of the special skills for their psychological rehabilitation.

#### 7. RHS 507: BIOMECHANICS (2 Cr.):

This course discusses biomechanical concepts and techniques related to studying human motion. The topics discussed will include but not limited to kinematics, kinetics, and muscle function of human movement. The course will also cover advancements in biomechanical methods and techniques related to the study of the human movement.

#### 8. RHS 508: PHYSICAL THERAPY FOR NEUROLOGICAL CONDITIONS I. (3 Cr.):

Advanced clinical case studies (selective) related to neurological diseases with emphasis on the role of physical therapy based on evidence-based practice.

#### 9. RHS 509: PHYSICAL THERAPY FOR NEUROLOGICAL CONDITIONS II. (3 Cr.):

Advanced applied study in rehabilitation procedures of common neurological diseases using new management modalities based on evidence base practice in the physical therapy field.

#### 10. RHS 510: PHYSICAL THERAPY FOR NEUROLOGICAL CONDITIONS III. (3 Cr.):

This course is concerned with the role of physical therapy in rehabilitation procedures of neurological injuries through applied study and clinical practice

#### 11. RHS 511: PEDIATRIC PHYSICAL THERAPY I. (3 Cr.):

This course will cover the theoretical and advanced clinical management of the pediatric neurological and neuromuscular conditions (including chronic, acute, congenital and rare disorders). Lectures will also cover the normal growth and development as well as standardized assessments of movement and function in children with neurological and neuromuscular disorders

#### 12. RHS 512: PEDIATRIC PHYSICAL THERAPY II. (3 Cr.):

This course will cover the advanced clinical management of acute and chronic pediatric musculoskeletal conditions with emphasis on gait development and gait analysis throughout childhood..

#### 13. RHS 513: PEDIATRIC PHYSICAL THERAPY III. (3 Cr.):

This course will deal with advanced clinical physical therapy management for different pediatric conditions (e.g. oncology and genetic conditions). In addition to incorporating clinical case studies with problem solving approach for different chronic conditions.

#### 14. RHS 514 : PHYSICAL THERAPY FOR CARDIOPULMONARY CONDITIONS I. (3 Cr.):

This course is intended to provide advanced pathophysiology and clinical manifestations of common cardiopulmonary disorders. This course will provide the student with different skills to identify various signs and symptoms of most common cardiopulmonary disorders.

**15. RHS 515 : PHYSICAL THERAPY FOR CARDIOPULMONARY CONDITIONS II. (3 Cr.):**

This course aims to enable the students to apply and interpret various diagnostic techniques in patients with cardiopulmonary diseases and critically evaluate assessment methods based on evidence-based practice. The students will also develop the expertise to assess outcome measures related to cardiopulmonary field in treatment and research settings.

**16. RHS 516: PHYSICAL THERAPY FOR CARDIOPULMONARY CONDITIONS III.(3 Cr.):**

This course is intended to provide the student with advanced cardiopulmonary rehabilitation techniques and evidence-based clinical protocols for patients with common cardiopulmonary disorders. The student in this course will be able to critically select appropriate therapeutic methods based on the stage of disease and clinical status of the patients.

**17. RHS 517: PHYSICAL THERAPY FOR ORTHOPAEDIC CONDITIONS I. (3 Cr.):**

This course discusses advanced and contemporary topics in musculoskeletal physical therapy with emphasis on clinical reasoning related to spine musculoskeletal disorders. The course will include advanced topics covering the whole continuum of patient management (examination, evaluation, diagnosis, prognosis, prevention, and intervention) from an evidence-based biopsychosocial perspective.

**18. RHS 518: PHYSICAL THERAPY FOR ORTHOPAEDIC CONDITIONS II. (3 Cr.):**

This course discusses advanced and contemporary topics in musculoskeletal physical therapy with emphasis on clinical reasoning related to lower extremity musculoskeletal disorders. The course will include advanced topics covering the whole continuum of patient management (examination, evaluation, diagnosis, prognosis, prevention, and intervention) from an evidence-based biopsychosocial perspective.

**19. RHS 519: PHYSICAL THERAPY FOR ORTHOPAEDIC CONDITIONS III. (3 Cr.):**

This course discusses advanced and contemporary topics in musculoskeletal physical therapy with emphasis on clinical reasoning related to upper extremity musculoskeletal disorders. The course will include advanced topics covering the whole continuum of patient management (examination, evaluation, diagnosis, prognosis, prevention, and intervention) from an evidence-based biopsychosocial perspective

**20. RHS 520: PHYSICAL THERAPY IN GERIATRICS I. (3 Cr.):**

This course introduces first-year master's students to the fundamentals of geriatric physical therapy. It covers core theories, concepts, and physiological and psychological changes associated with aging. It provides evidence-based interventions and strategies to support physical and mental health, functional independence, safety, social engagement, and quality of life for older adults

**21. RHS 521: PHYSICAL THERAPY IN GERIATRICS II. (3 Cr.):**

This second course in the series provides an overview of physical therapy roles in different geriatric healthcare settings. The course will cover the differences between healthcare settings, the populations they serve, and the staffing and organization of each setting. Students will learn about the effectiveness of physical therapy in various settings and can identify areas for improvement and innovation in these different settings

#### [22. RHS 522: PHYSICAL THERAPY IN GERIATRICS III. \(3 Cr.\):](#)

This is the final course in a series of three courses designed to provide students with an advanced understanding of physical therapy in assessing and managing the most common geriatric conditions. The course covers physical and mental health problems associated with aging and evidence-based physical therapy interventions for these problems. View

#### [23. RHS 596 RESEARCH PROPOSAL \(1 CR.\):](#)

This course allows master students to complete writing the dissertation proposal as a research proposal, on a topic of their choice, that can be implemented later as thesis.

#### [24. RHS 600 THESIS \(1 CR.\):](#)

This comprehensive course allows master students to complete their proposed research project through an entire process of thesis development from the initial concept to the final defense.

## **XI. Research Activities and MSC PT**

Graduate students are the primary human resource for scientific research at universities, and financial support for research plans and published papers is considered a fundamental requirement for each program. The Deanship of Scientific Research and Graduate studies deanship has noticed that the current method of supporting graduate students and researchers through research centers needs development and improvement to overcome one of the major challenges they face, which may lead to their disengagement and delays in their research achievements due to the numerous steps and slow procedures. For that many programs and ways to encourage the research as:

### **a. Graduate Students Support Program for Research Plans and Scientific Publication:**

The Deanship of Scientific Research presents this program to simplify the process of applying for direct support and to make decisions on those requests as quickly as possible. It aims to complete the procedures for disbursement through the Deanship without the need to go through or rely on the research centers of the colleges. This accelerates the process of obtaining support for graduate students at the start of their research and motivates them to publish scientifically in high-quality publication outlets. Visit <https://dsrs.ksu.edu.sa/en/node/2228>

### **b. Objectives:**

1. To simplify and reduce the administrative burden on students and researchers.
2. To reduce the administrative load on research centers and give them the opportunity to focus on supporting researchers and students scientifically.
3. To help accelerate the research process for graduate students and enable them to complete their studies within the designated time.
4. To utilize financial resources fairly in supporting all graduate students at the university without relying on the performance of research centers.
5. To encourage students to publish scientific papers in high-quality scientific journals.

Applications should be sent to the email: [HGDSR@ksu.edu.sa](mailto:HGDSR@ksu.edu.sa)

### **c. The Initiative for Conferences for New Faculty Members**

New faculty members at the university represent the core of future human resources. As young professionals who have recently joined the university's teaching staff, they bring fresh knowledge and a new perspective to academic and research fields. Therefore,

supporting new faculty members is crucial to ensure their successful establishment and integration into the university environment. This support can include guidance, academic training, and providing opportunities for communication and collaboration with more experienced faculty members.

Given the importance of attending international scientific conferences for increasing knowledge, building relationships, and exchanging experiences, which allows researchers and participants to stay informed about the latest research trends in the conference's field, the Deanship of Scientific Research intends to launch the initiative "Scientific Conferences for New Faculty Members - First Session" as part of the institutional funding program supported by the Ministry of Education. This initiative aims to support the development of new faculty members' skills, enhance their connection with the global academic community, and, consequently, strengthen the university's standing in the academic and research fields.

## d. Initiatives of the institutional Fund Program:

visit <https://dsrs.ksu.edu.sa/en/IFKSUE>

## e. Review Articles Program

The "Review Articles Program" is one of the initiatives of the Institutional Fund Program for Research and Innovation in Universities, which is adopted by the Ministry of Education in order to develop a map for research, development and innovation in Saudi Universities. And in order to achieve the objectives of the strategic plan for scientific research at King Saud University, which seeks leadership in the quality of research production and its distinction in the main strategic branches of knowledge, this program initiative is launched as one of the important research outputs that aims to support distinguished publishing in review research studies, which will add a lot of research and scientific expertise based on cumulative knowledge of researchers. Visit <https://dsrs.ksu.edu.sa/en/node/3402>

## f. Research Support and services Unit:

- **Research Consulting Service:**

The research consultancy service is provided to all university employees, whether by Email, phone call, or on-person at the RSSU main office. Visit <https://dsrs.ksu.edu.sa/en/node/3616>

- **Center of research college of applied medical sciences.**

Contact [rccams@ksu.edu.sa](mailto:rccams@ksu.edu.sa)

- **King Saud University Scientific Excellence Prize:**

Established by KSU to honor distinguished faculty members, researchers, and students within a spirit of scientific competition in order to further promote the standards of scientific research. The Prize is annual, seeking to efficiently pave the way for a distinguished, outstanding, and innovative scientific research environment.

- **Research Groups and scientific chairs:**

visit <https://dsrs.ksu.edu.sa/en/node/371>

- Initiative for Supporting High-Quality and Impact in Scientific Publishing:

visit <https://dsrs.ksu.edu.sa/en/node/2651>

## **XII. Academic Regulations and Policies**

Academic affairs in the Kingdom of Saudi Arabia are primarily regulated by the graduate studies guidelines issued by the Ministry of Education, as well as the policies of King Saud University set forth by its Deanship of Admission and Registration. It is advisable for both students and faculty to review the relevant academic regulations and procedures.

### **a. Students' Rights and Responsibilities**

#### **• A. Students' Rights**

A.1 The mentioned texts in:

- **Academic and Study Affairs in Universities**
- **Student discipline and conduct Regulations**
- **The Student Rights Protection Unit**
- **Student evaluation policies at King Saud University**
- **Document of rights and obligations of the university student**
- **Rules of the organization of the Student Rights Unit**
- **Rules and regulations for examinations**

consider a general framework to determine rights and obligations of the two parties ( the students(undergraduate and post graduate students) and the university), also it express the mutual understanding between the university and its students regarding their rights that are guaranteed by the university rules, and the student obligations that they have to respect as an attempt to eliminate the wrong impression that consider the student as a vessel for the obligations and duties without any rights grantee that ensure a stable and successful university life.

A.2 Rules and regulations:

Are only applicable at postgraduation level, the students have to take reference to postgraduation deanship references:

- **List of rules and regulation for graduate studies at King Saud University.**
- **Executive rules for the postgraduate studies regulations at King Saud University**
- **Submit of requests on the academic portal**

A.3 Academic Advising: Academic advising is one of essential components of the university education system. It serves as a vital link that guides students toward achieving optimal performance in their learning processes to obtain the best educational outcomes and academic success possible. Academic advising services also help students adapt to the university environment and make the

most of the opportunities available to them by providing them with knowledge and essential skills that enhance their academic achievement. **Ask about your academic advisor**

#### A.4. Scientific Advising:

**Article 27** of the Executive Rules of the Graduate Studies Regulations at King Saud University states that each graduate student, from the start of their enrollment in the program, is assigned an academic advisor from the faculty members in the department or program, provided that the advisor holds a rank of no less than Assistant Professor. The advisor's role includes providing guidance.

The period of scientific advising for the student continues until the research proposal is approved.

#### A.5 Special Support:

- **Low achievers**

A new unit, called the Learning Support Unit (LSU), has been established at CAMS. The LSU aims to help and guide students with low academic achievement and/or suffering from chronic conditions affecting their academic progress. For further information, kindly refer to the link: <https://cams.ksu.edu.sa/ar/node/3029>.

LSU Email: [lsu@ksu.edu.sa](mailto:lsu@ksu.edu.sa)

- **Gifted and talented**

KSU has established a special program for gifted and talented students called the KSU Distinguished and Talented Students Program. It aims to provide exceptional care for distinguished and talented students at King Saud University in all fields and areas of talent available by introducing quality, enriching and supportive programs that support their academic excellence and areas of talent at the scientific and practical levels. For further information, kindly refer to the link: <https://dsp.ksu.edu.sa/en>

## **b. Academic Responsibilities of Postgraduate Students**

The primary responsibilities of a graduate student can be summarized as follows:

1. **Awareness of Procedures and Academic Guidelines:** The student should be knowledgeable about the procedures, regulations, and academic guidelines established for graduate students, as published by the university administration and accessible on its website.
2. **Commitment to Research Project:** The student must approach their research project with dedication, working toward completing their thesis within the established timeline of their research plan.
3. **Ethics and Intellectual Property:** All aspects of ethical conduct, research ethics, and intellectual property rights should be respected, especially if the research involves direct interaction with individuals or the handling of personal information.
4. **Personal and Institutional Safety:** It is essential to maintain both personal safety and the safety of university personnel during research activities.
5. **Regular Communication with Advisors:** Continuous communication with the primary supervisor and supervisory committee is vital, including adherence to scheduled meetings and consideration of their recommendations.
6. **Objectivity in Research Methodology and Publication:** Research methods, documentation, and publication should be handled with objectivity.
7. **Highlighting Research Outcomes:** Emphasis should be placed on research findings, particularly for graduate students engaged in projects funded or supported by research organizations.
8. **Efforts Toward Fair Evaluation:** The student should work to ensure fair evaluation of their research contributions, whether assessed internally or externally.
9. **Acknowledgment of Assistance:** Recognition should be given to anyone who provided guidance or support in completing the thesis, whether directly or indirectly, including faculty members outside the supervisory committee, colleagues, technicians, and others, both within and outside the university.
10. **Participation in Evaluation Sessions:** The student should participate in scientific assessment activities and present their research findings, as well as discuss the challenges they faced, in detail to peers and faculty members, according to departmental procedures.
11. **Engagement in Conferences and Seminars:** Attending seminars, meetings, academic workshops, and conferences is encouraged, as well as making efforts to share the significance of their research and its results with the external community.
12. **Grade Point Average (GPA) Calculation and exams pass:**
  - A. Graduate-level exams are conducted, and grades are recorded, in accordance with the regulatory framework for undergraduate academic and study matters, with the following exceptions:
  - B. A student is not considered to have passed a course unless they achieve at least a "Good (High)" grade in the course.

- C.** For a student to successfully pass a remedial course, they must achieve a grade no less than "Good (High)."
- D.** If the student is unable to complete the course requirements the first time, they will receive an "In Progress" (IP) grade and may re-register for the course later.
- E.** If the student does not complete the course requirements in the following semester, they will receive a grade of "Incomplete" (I), allowing them to complete the course requirements without re-registering.
- F.** If the student still does not complete the course requirements in this case, they will receive a "Fail" (F) grade.
- G.** The above provisions are applied based on the recommendation of the department/program council and the approval of the college council, and the dean's office is notified to complete the necessary procedures.

### **XIII. Rules of Supervision of Theses/Dissertations:**

#### **a. Research Proposal**

A graduate student in the master's stage may, after completing at least fifty percent of the credit hours required for the program courses with a cumulative GPA of at least "Very Good, could register for the course "Research Proposal " with a credit of one unit. This course have number and code as listed in the curriculum **RHS 596** , and the procedures are organized according to the following guidelines:

1. The student is allowed to register for the course for one semester for the master's degree. During this period, the student should complete their research plan and submit it to the department/program. An extension for one additional semester may be granted as an exception, based on a recommendation from the department/program and college councils, accompanied by a report from the student's advisor explaining the reasons and with the dean's approval.
2. The student is considered to have passed the course upon final approval of the research plan by the dean's office after passing the comprehensive exam and will receive a "Pass" (P) grade. A committee will then be formed to supervise the thesis, in accordance with Articles 46, 47, and 48. In case of an extension, the student will be recorded as "In Progress" (IP).
3. Passing this course is a requirement for the student to register for the thesis course.
4. The course must be taught by faculty members who meet the supervisory conditions stipulated in Article 46 of these regulations.
5. The faculty member responsible for teaching the course should be prepared to supervise the thesis once the research plan has been approved.

#### **b. Thesis/Dissertation:**

An academic work introduced by the requirements of obtaining the Master Degree, which its title and proposal have been approved by the board of the Department Council and Deanship of Graduate Studies as per the recommendation of both the councils of Scientific Department and College. This has to be done according to [the Manual of Theses Preparation](#) approved by the Graduate Studies Deanship

#### **c. Definitions and Orientation**

**C.1.Advisor:** He/she is a faculty member chosen by the academic section dedicated to each graduate student at the beginning of his/her joining the program. His/her duty is to guide and assist the student in their selection of the subject required and prepare the research plan proposal.

The academic advisor has the following duties:

1. Maintaining constant communication with the student, listening to their issues, and helping them solve these problems.
2. Providing advice when the student faces difficulties at the beginning of their studies.
3. Assisting the student in selecting a thesis topic within a specified timeframe, while considering the student's preferences as a priority and ensuring alignment with the educational and research processes.
4. Guiding the student in preparing the research plan, helping them identify the necessary skills, tools, and resources, and directing them to courses and workshops that will help them acquire this knowledge.
5. Submitting periodic reports on the student's academic progress.

**C.2. Supervisor:** He/she is a faculty member appointed by the Council of the Graduate Studies to supervise a graduate student as per the recommendation of the two councils of Department and College. He/she is the main supervisor in case of more than one supervisor is chosen to supervise the Thesis/Dissertation.

The supervisor has the following duties:

1. Being familiar with the rules and regulations related to supervising graduate students.
2. Ensuring that the student's research project is characterized by scientific quality, originality, and innovation, and is relevant to the student's field of study and the supervisor's area of expertise.
3. Setting a sufficient and specific time for regular meetings with the student (at least once every three weeks), in accordance with dates known to the department's Graduate Studies Committee and working according to written reports that show the student's progress in their research plan and any obstacles they encounter.
4. Carefully reviewing the students' written work prior to scheduled meetings and providing constructive and supportive feedback.
5. Submitting periodic reports on the student's work to the Graduate Studies Deanship.
6. Offering moral support to students, guiding them in applying for internal and external financial support resources for research, and coordinating with the department in this regard.
7. Monitoring the student's performance and emphasizing adherence to research ethics, safety, and security protocols, as well as avoiding unethical research practices and respecting the intellectual property rights of others.
8. Reviewing the thesis before its approval and submitting a request to form the discussion committee.
9. After the student completes the preparation of their thesis, the supervisor submits a request to the department head to form a thesis discussion committee according to the procedures specified by the Deanship of Graduate Studies.

10. The supervisor ensures that the period between the approval by the Graduate Studies Council to form the review committee and the discussion date does not exceed four months, excluding official holidays within this period.
11. Monitoring the student's completion of any required revisions after the thesis discussion, if any, within a period not exceeding three months from the discussion date.
12. The supervisor may contribute to introducing the internal and external community to the student's research outputs by participating in academic activities, scientific seminars, and conferences, and by connecting the student with relevant employment networks.

**C.3. Co-supervisor:** He/she is a faculty member appointed as an assistant supervisor for the student's main supervisor. He/she can also be selected to supervise a part of the Thesis/Dissertation.

## **XIV. Post-graduation committee and teaching staff:**

### **a. Post-graduation committee**

| Name                      | Position                          | E-mail                 |
|---------------------------|-----------------------------------|------------------------|
| Dr.Saad Alhammad          | Head of the department            | shammad@ksu.edu.sa     |
| Dr. Madhawi Altayeb       | Vice Head for female section      | maltaib@ksu.edu.sa     |
| Dr. Hana Alsobayel        | Head of post-graduation committee | hsobayel@ksu.edu.sa    |
| Dr. Maha Algabbani        | MSc PT program director           | malgabbani@ksu.edu.sa  |
| Prof. Mohammed Taher      | Committee member                  | momarar@ksu.edu.sa     |
| Prof. Ali Alnahdi         | Committee member                  | alialnahdi@ksu.edu.sa  |
| Dr. Tahani Alahmad        | Committee member                  | taalahmad@ksu.edu.sa   |
| Prof.Ali Barrati          | Committee member                  | abarrati@ksu.edu.sa    |
| Dr. Nabila Saihi          | Committee member                  | ntounsi@ksu.edu.sa     |
| Dr. Ghada Taj Aldeen Amin | Committee member                  | gnajmaldeen@ksu.edu.sa |
| Mrs.Reem Aljermawi        | Committee member                  | raljermawi@ksu.edu.sa  |
| Ms Hala Almaymoni         | Committee member                  | halmaymoni@ksu.edu.sa  |
| Mrs.Norah Alsubait        | Administrative member             | nsubait@ksu.edu.sa     |

### **b. Teaching staff:**

#### **B.1. Core Department Faculty**

They are the head and deputy head of the department. The details of the are available at the following link: <https://cams.ksu.edu.sa/ar/SanitaryEntitlingSciences/faculty>

#### **B.2 Academic Coordinators**

They are the coordinators who carry out the work of the committees in the department, including members and rapporteurs. The details of the are available at the following link: <https://cams.ksu.edu.sa/ar/SanitaryEntitlingSciences/faculty>

### B.3. Administrative Coordinators

Administrative coordinators improve performance, raise productivity and address department problems, in addition to making statistics, maintaining a register of department members, communicating to provide services with students and members, and coordinating periodic meetings. The details of the are available at the following link: <https://cams.ksu.edu.sa/ar/node/4395>

### B.4. Academic Staff

The faculty members within the department are qualified personnel of different nationalities and have graduated from different international universities and different research schools. The details of the faculty members are available at the following link: <https://cams.ksu.edu.sa/ar/node/4396>

### B.5. Specialists and Technicians

They are responsible for providing appropriate health care for different cases by identifying the needs of patients, providing treatment alternatives, reducing the use of chemical drugs, choosing appropriate alternatives after studying the patient's condition and following up on various examinations and analyzes to ensure an appropriate treatment that helps the patient regain movement naturally. The details of the are available at the following link: <https://cams.ksu.edu.sa/ar/node/4396>

## XV. Policies and regulations:

| The source                                                                  | The link                                                                                    | Arabic language                                             |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Postgraduate studies regulations                                            | <a href="#">القواعد التنفيذية لائحة الدراسات العليا بجامعة الملك سعود</a>                   | القواعد التنفيذية لائحة الدراسات العليا بجامعة الملك سعود   |
| List of graduate studies at King Saud University                            | <a href="#">List of graduate studies at King Saud University</a>                            | لائحة الدراسات العليا بجامعة الملك سعود                     |
| Rules governing the supervision of university theses                        | <a href="#">Rules governing the supervision of university theses</a>                        | القواعد المنظمه للاشراف على الرسائل الجامعيه                |
| Student discipline regulations                                              | <a href="#">Student discipline regulations</a>                                              | لائحة الانضباط                                              |
| Regulatory rules and procedures for services for students with disabilities | <a href="#">Regulatory rules and procedures for services for students with disabilities</a> | لخدمات دليل القواعد والإجراءات التنظيمية الطلاب ذوي الإعاقة |
| Forms and procedures for graduate students                                  | <a href="#">Forms and procedures for graduate students</a>                                  | نماذج وإجراءات خاصة بطلاب الدراسات العليا                   |
| Graduate unit forms and procedures                                          | <a href="#">Graduate unit forms and procedures</a>                                          | نماذج واجراءات وحدة الخريجين                                |
| Rules regulating student rights                                             | <a href="#">Rules regulating student rights</a>                                             | القواعد المنظمة للحقوق الطلابية                             |
| Document of rights and obligations of the university student                | <a href="#">Document of rights and obligations of the university student</a>                | وثيقة حقوق والتزامات الطالب الجامعي                         |

## XVI. Student services:

|                                                                                |                                                                                                                                                                                                                                                 |                                                                                           |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| E-services                                                                     | <a href="https://graduatestudies.ksu.edu.sa/en/node/631">https://graduatestudies.ksu.edu.sa/en/node/631</a>                                                                                                                                     | الخدمات الإلكترونية                                                                       |
| The general framework for writing university theses                            | <a href="https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/ltr_lm_lktb_lrsyl_ljmy.pdf">https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/ltr_lm_lktb_lrsyl_ljmy.pdf</a> | الإطار العام لكتابة الرسائل العلمية                                                       |
| Electronic registration guide                                                  | <a href="https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/dlyl_ltsjyl_lktrwny_1.pdf">https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/dlyl_ltsjyl_lktrwny_1.pdf</a>   | دليل التسجيل الإلكتروني (إضافة وحذف المقررات)                                             |
| Guide to submitting a research proposal through the electronic services portal | <a href="https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/tqdym_lmqrh_lbhthy.pdf">https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/tqdym_lmqrh_lbhthy.pdf</a>         | دليل تقديم المقترح البحثي من خلال بوابة الخدمات الإلكترونية                               |
| How to submit a request through the academic portal                            | <a href="https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/lhrkt_lfsly_1.pdf">https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/lhrkt_lfsly_1.pdf</a>                   | طريقة التقديم بطلب تأجيل قبول - تأجيل دراسة - اعتذار "حذف" عن طريق بوابة النظام الأكاديمي |
| User guide to the postgraduate admission portal                                | <a href="https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/dlyl_ltdym_43_1.pdf">https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/dlyl_ltdym_43_1.pdf</a>               | دليل المستخدم لبوابه القبول للدراسات العليا                                               |
| Electronic graduation procedures guide                                         | <a href="https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/">https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/</a>                                                     | دليل إجراءات التخرج الإلكترونية لطلبة الدراسات العليا                                     |

|                                                                                                             |                                                                                                                                                                                                                                                                                                                   |                                                                          |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
|                                                                                                             | <a href="#">ages/jrt_ltkhrj_lktrwny_4.pdf</a>                                                                                                                                                                                                                                                                     |                                                                          |
| Electronic services provided by the Deanship of Graduate Studies                                            | <a href="https://graduatestudies.ksu.edu.sa/ar/node/1217">https://graduatestudies.ksu.edu.sa/ar/node/1217</a>                                                                                                                                                                                                     | الخدمات الإلكترونية المقدمة من عمادة الدراسات العليا                     |
| Services provided by the Deanship of Scientific Research                                                    | <a href="https://graduatestudies.ksu.edu.sa/ar/node/1205">https://graduatestudies.ksu.edu.sa/ar/node/1205</a>                                                                                                                                                                                                     | خدمات مقدمة من عمادة البحث العلمي                                        |
| Students with Disability Services Policies                                                                  | <a href="https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/dlyl_lqwd_wljrt_ltnzymy_lkhdm_tltb_dhwy_lq_bjm_lmlk_swd.pdf">https://graduatestudies.ksu.edu.sa/sites/graduatestudies.ksu.edu.sa/files/imce_images/dlyl_lqwd_wljrt_ltnzymy_lkhdm_tltb_dhwy_lq_bjm_lmlk_swd.pdf</a> | سياسات خدمات الطلاب ذوي الإعاقة                                          |
| Student housing regulations at the university                                                               | <a href="https://sa.ksu.edu.sa/sites/sa.ksu.edu.sa/files/attach/lyh_lqm_blskn_ljmy_tltb_wtlbt_jm_lmlk_swd-twsl_1.pdf">https://sa.ksu.edu.sa/sites/sa.ksu.edu.sa/files/attach/lyh_lqm_blskn_ljmy_tltb_wtlbt_jm_lmlk_swd-twsl_1.pdf</a>                                                                             | ضوابط السكن الطلابي في الجامعة                                           |
| Deanship of Libraries Affairs                                                                               | <a href="https://library.ksu.edu.sa/en">https://library.ksu.edu.sa/en</a>                                                                                                                                                                                                                                         | عمادة شؤون المكتبات                                                      |
| Deanship of Skills Development                                                                              | <a href="https://dsd.ksu.edu.sa/en">https://dsd.ksu.edu.sa/en</a>                                                                                                                                                                                                                                                 | عمادة تطوير المهارات                                                     |
| Deanship of Skills Development for Postgraduate Students                                                    | <a href="https://dsd.ksu.edu.sa/en/node/37">https://dsd.ksu.edu.sa/en/node/37</a>                                                                                                                                                                                                                                 | عمادة تطوير المهارات طلاب وطالبات الدراسات العليا                        |
| Deanship of Electronic Transactions and Communications services platform                                    | <a href="https://etc.ksu.edu.sa/ar/student-service">https://etc.ksu.edu.sa/ar/student-service</a>                                                                                                                                                                                                                 | منصة خدمات عمادة التعاملات الإلكترونية والاتصالات _ الطلاب               |
| Guidelines and Procedures on Academic Accommodations for Students with Disabilities at King Saud University | <a href="#">Guidelines and Procedures on Academic Accommodations</a>                                                                                                                                                                                                                                              | الإجراءات المتعلقة بالسكن الأكاديمي للطلاب ذوي الإعاقة بجامعة الملك سعود |
| Electronic training platform                                                                                | <a href="https://tp.ksu.edu.sa/">https://tp.ksu.edu.sa/</a>                                                                                                                                                                                                                                                       | منصة التدريب الإلكترونية                                                 |
| Nafae services                                                                                              | <a href="https://nafae.ksu.edu.sa/en">https://nafae.ksu.edu.sa/en</a>                                                                                                                                                                                                                                             | نافع                                                                     |

|                                                         |                                                                                         |                                            |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------|
| The Vice Rectorate for Educational and Academic Affairs | <a href="https://vrea.ksu.edu.sa/en/node/3056">https://vrea.ksu.edu.sa/en/node/3056</a> | وكالة الجامعة للشؤون التعليمية والأكاديمية |
| Research Support and services Unit                      | <a href="https://dsrs.ksu.edu.sa/en/node/3616">https://dsrs.ksu.edu.sa/en/node/3616</a> | وحدة مساندة وخدمات الباحثين                |
| Scientific Research Ethics Committee                    | <a href="https://dsrs.ksu.edu.sa/en/node/449">https://dsrs.ksu.edu.sa/en/node/449</a>   | لجنة أخلاقيات البحث العلمي                 |
| Student Services Guide                                  | <a href="https://vrea.ksu.edu.sa/en/node/2987">https://vrea.ksu.edu.sa/en/node/2987</a> | دليل خدمات الطالب                          |
| Electronic training platform                            | <a href="https://tp.ksu.edu.sa/">https://tp.ksu.edu.sa/</a>                             | منصة التدريب الإلكترونية                   |

## XVII. Important links

|                                 |                                                                                       |                                         |
|---------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|
| Research institutes and centers | <a href="https://hesr.ksu.edu.sa/en">https://hesr.ksu.edu.sa/en</a>                   | المعاهد والمراكز البحثية                |
| Academic portal                 | <a href="https://uap.ksu.edu.sa/ar">https://uap.ksu.edu.sa/ar</a>                     | برنامج الوصول الشامل                    |
| Student email                   | <a href="https://vrea.ksu.edu.sa/ar/node/374">https://vrea.ksu.edu.sa/ar/node/374</a> | برنامج المنح الدراسية والابتعاث للجامعة |
| International students affairs  | <a href="https://isd.ksu.edu.sa/en">https://isd.ksu.edu.sa/en</a>                     | إدارة الطلبة الدوليين                   |
| Deanship of Student Affairs     | <a href="https://sa.ksu.edu.sa/en">https://sa.ksu.edu.sa/en</a>                       | عمادة شؤون الطلاب                       |

**Best regards,,**

**Graduate Studies Committee**