

## Number of female students enrolled in different levels during the academic year 1439/1440

Department	Number of students admitted	Number of students enrolled	Number of Graduating students	Number of students (total)	Number of undergraduate students			Number of students in master's level			Number of PhD students		
					S1	S2		S1	S2		1S	S2	
Physics and Astronomy	41	175	39	223	168	156		46	42		14	13	

## Number of female students enrolled during the academic year 1439/1440

Total	Non-Saudi	Saudi	majors	programs
<b>168</b>	<b>12</b>	<b>156</b>	Physics S1	Bachelor of Physics and Astronomy
<b>156</b>	<b>10</b>	<b>146</b>	S2	
<b>46</b>	<b>8</b>	<b>38</b>	S1	Master of Physics and Astronomy
<b>42</b>	<b>8</b>	<b>34</b>	S2	
<b>14</b>	<b>6</b>	<b>8</b>	S1	PhD of Physics
<b>13</b>	<b>6</b>	<b>7</b>	S2	

### Number of graduates from the bachelor degree during the academic year 1439/1440

Total	Non-Saudi	Saudi	program
25	2	23	

### Number of sections in different levels during the academic year 1439/144

Average number of students in the section	Master and PhD				Bachelor degree				Department	
	2 <sup>nd</sup> semester		1 <sup>st</sup> semester		2 <sup>nd</sup> semester		1 <sup>st</sup> semester			
	# of subjects	# of sections	# of subjects	# of sections	# of subjects	# of sections	# of sections	# of sections		
6	15	16	19	20	18	36	50	32	46	

### The number of faculty members and support staff during the academic year 1439/1440 H

The sum of the extra hours that have been spent exceeding the quorum	Collaborators to teach from outside the university (e.g., those who teach on hours basis)		Number of technicians, researchers and language teachers		Number of administrative staff (total)		Number of teaching staff at the rank of Teaching Assistant (total number)		Number of faculty members in the rank of lecturer (total number)		Number of faculty members at the rank of assistant professor and above (total number)		Department
	Average number of teaching units (assigned hours)	Total	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	Non-Saudi	Saudi	
97	13	8	0	22	0	8	0	10	0	2	7	10	Physics

### Recruited faculty members as consultants (full-time / part-time) at external agencies during the academic year 1439/1440 H

Department								Category
Zoology	Botany	Geo	Phy	Maths	Statistics	Biochem	Chem	
			1					The use of faculty members as a full-time consultant with agencies outside the University / Kingdom
			0					The use of faculty members as a part-time consultant with outside agencies

**Recruited from faculty members (Saudi / non-Saudi) after the retirement age during the academic year 1439/1440**

Department								Category
Zoology	Botany	Geo	Phy	Maths	Statistics	Biochem	Chem	
0								Hiring a Saudi faculty member after retirement age
			2					Renewal of contract with non-Saudi faculty member after retirement age

**Average number of teaching units for faculty members during the academic year 1439/1440**

Faculty Members (Teaching Assistant) (Non-Scholarship)		Faculty members on the rank of (lecturer) (non-scholarship)		Faculty Members on the rank of (Assistant Professor)		Faculty Members on the rank of (Associate Professor)		Faculty Members on the rank of (Professor)		Department
Average number of teaching units (by assigned hours)	Total	Average number of teaching units (by assigned hours)	Total	Average number of teaching units (by assigned hours)	Total	Average number of teaching units (by assigned hours)	Total	Average number of teaching units (by assigned hours)	Total	
12.2	10	12	2	13	12	11.5	2	10.5	3	

### Promotions of faculty members to the academic year 1439/1440

Department								Category
Zoology	Botany	Geo	Phy	Maths	Statistics	Biochem	Chem	
			1					Appointing a lecturer as assistant professor
			1					Promotion to Associate Professor
			1					Promotion to Professor

### List of the faculty members of the department who won scientific awards during the academic year 1439/1440 H

Awarding agency	Name of the Award	Name of the award winner
Princess Nora bint AbdulRahman University	Princess Noura Award for scientific excellence for the female branch in its first session 1439H	Prof. Dr. Awatif Hindi

**A list of the faculty members in the department who hold patents during the academic year  
1439/1440**

Agency awarded the patent	Patent Title	Name of the winner of the patent
	<p align="center"><b>1- Patent U S 10,138,135 B1; 27/11/2018</b></p> <p align="center"><b>“Synthesis of Titanium Dioxide Nanoparticles Using Origanum Majorana Herbal Extracts”</b></p> <p align="center"><b>Manal Awad, Awatif Hendi, et al</b></p> <p align="center"><b>2- Patent U S 10,111,441 B1; 30/10/2018</b></p> <p align="center"><b>“Synthesis of silver -PMMA Nanocomposite Film Using Herbal Extract”</b></p> <p align="center"><b>Manal Awad, Awatif Hendi, et al</b></p> <p align="center"><b>3- Patent U S 10,052,302 B2; 21/8/2018</b></p> <p align="center"><b>“Green synthesis of Reduced Graphene Oxide Silica Nanocomposite Using Nigella Sativa Seeds Extracts”</b></p> <p align="center"><b>Manal Awad, Awatif Hendi, et al</b></p>	<p align="center"><b>Prof. Dr. Awatif Hindi</b></p>

**The number of training courses for employees of the department during the academic year 1439/1440**

Number of training courses	Number of employees of the department	Job Title
12	4	Faculty of school
11	5	Staff

**Achievements of Research Chairs in the different departments of the College for the academic year 1439/1440 H**

Researchers of the chair	Other activities			Books		Scientific Papers ISI	Administrators	Students	Researchers of the chair and the department	Consultants	Professor	Supervisor	Research chair
	Publications	Patents	Events	Translated	Author								
													<b>None</b>

**The number of students of service courses from other colleges during the academic year  
1439/1440**

<b># of students</b>	<b>Course 3</b>	<b>Course 2</b>	<b>Course 1</b>	<b>The beneficiary college of the Faculty of Science</b>
<b>343</b>	<b>Phy 201</b>	<b>104Phy</b>	<b>103Phy</b>	<b>college of Computer and Information Sciences</b>
			<b>109Phy</b>	<b>Health Colleges</b>
		<b>Phy 102</b>	<b>101Phy</b>	<b>Mathematics colleges</b>
			<b>102Phy</b>	<b>College of sciences, Chemistry Department</b>
			<b>102Phy</b>	<b>College of Science Biochemistry Department</b>
			<b>209Phy</b>	<b>College of Sciences Botany Department</b>

**Note: In case of more than two courses, additional fields are added**



## Various activities within the department during the academic year 1439/1440

Number of beneficiaries			Number of beneficiaries			Type of activity
Others	Female faculty members	Female students	Others	faculty members	Students	
						Introductory lecture (infrared spectroscopy)
						Direct transmission (Nobel Prize in Physics 2018 announced)
						Training workshop (VP lab) program
						World Space Week
						Introductory lecture (X-ray diffraction)
						Visitor Reception (Physical Museum)
						Lecture (Development of Units and Measurements in Physics)
						Lecture (Photovoltaic Processes on Plant)
						Lecture (Reducing Pollution and its Effects)
						Introductory Lecture (Raman Spectroscopy)
						Mathematica Program training course
						Effectiveness (we mechanics)
						Effectiveness (Electronics)
						Weekly Strengthening Course (Physics Fundamentals, Fundamentals of Mathematics)

**The services of the department to the institutions of society and its agencies during the academic year 1439/1440**

The beneficiary	Service Provider	Service Provider		Type of Service Provided
		Name	Job number	
College of Science, King Saud University	Training and Community Service Unit, Faculty of Science	Dr. Abeer AL Shomari	21015	Lecture (Raman Spectroscopy)
17 <sup>th</sup> intermediate school	Training and Community Service Unit, Faculty of Science	Dr. Reem Al Raddadi	31123	Lecture (Units and Measurements)
College of Science, King Saud University	Training and Community Service Unit, Faculty of Science	Dr. Reem Al Raddadi	31123	Lecture (Development of Units and Measurements in Physics)
26 <sup>th</sup> high school and 17 <sup>th</sup> intermediate school	Training and Community Service Unit, Faculty of Science	Dr. Zainab Booq	89478	Workshop on the principles of circuit design
26 <sup>th</sup> high school	Training and Community Service Unit, Faculty of Science	Dr. Zainab Booq	89478	Workshop on the principles of circuit design
Masjid of King Saud University	Community Service Committee Physics Department	Dr. Zainab Booq	89478	Recitation course
Nanotechnology Conference 2019 Rome Italy	Community Service Committee Physics Department	Dr. Zainab Booq	89478	Participation in the Scientific Committee of the Nanotechnology Conference 2019 and the arbitration of three scientific papers in it
Talents of King Abdul Aziz Georgaleh talent and creativity	Community Service Committee Physics Department	Prof. Sumayah AL Muosa	107296	Explanation in Physics Labs

17 <sup>th</sup> intermediate school, 33 <sup>rd</sup> intermediate school and 26 <sup>th</sup> high school King Salman Air Base	Community Service Committee Physics Department	Prof. Maryam Otaibi Prof. Ibtesam Haddadi	97181 99101	Visit physics labs (explanation of some experiments)
17 <sup>th</sup> intermediate school, 33 <sup>rd</sup> intermediate school and 26 <sup>th</sup> high school King Salman Air Base	Community Service Committee Physics Department	Dr. Zainab Booq Prof. Hanan Al Shehri Prof. Fatima Alsoud	89478	Visit to the Physical Museum (Explanation and Design of Electrical Circuits and Crystal Models)
Visitors inside and outside the university	Community Service Committee Physics Department	Dr. Zainab Booq	89478	Visit the Physical Museum (open on Sunday and Wednesday every week)
Prince Nayef Research Center, King Saud University	Community Service Committee Physics Department	Dr. Nerjes Bano	116367	Slide presentation
College of Science, King Saud University	Training and Community Service Unit, Faculty of Science	Dr. alzahra Al Fagy	77657	Lecture of environmental pollution and its effects
College of Science, King Saud University	Training and Community Service Unit, Faculty of Science	Dr. Samah Al Basheer	74396	Lecture of Photochemical Processes in the Plant

**Scientific exhibitions held in the department or under its supervision during the academic year 1439/1440**

Other participating parties	Exhibition Place	Period		Exhibition name
		To	From	
Physics department only	Physical Museum	6/ 8 /1440H	16/ 7/ 1439H	Design electrical circuits using available environmental resources and display crystals manufactured using resources
Physics department only	Physical Museum	6/ 8 /1440H	16/ 7/ 1439H	Design electrical circuits using available environmental resources and display crystals manufactured using available natural resources
Department of Plant and Microbiology	Lobby of the Faculty of Science	8/ 6/ 1440H	8/ 6/ 1440H	World Afforestation Day
Advanced Cell Laboratory and College of Nutrition and Agriculture Department of Food Science and Nutrition	Lobby of the Faculty of Science			World Health Day
Ministry of Environment, Agriculture and Water and General Authority for Tourism and Antiquities	External arena in front of the Faculty of Science	13/ 7/ 1440H	13/ 7/ 1440H	World Earth Day
Physics department only	Lobby of the Faculty of Science	27/ 7/ 1440H	27/ 7/ 1440H	Mechanics Day
Physics department only	Lobby of the Faculty of Science	2/ 8/ 1440H	2/ 8/ 1440H	Electronics

### Statistics of the number of employees in the different jobs during the academic year 1439/1440

Number of the department staff in the technical and administrative functions	Number (students) in postgraduate studies		Number of students (undergraduate)	Number of faculty members			Number of Saudi lecturers		Number of Saudi Teaching Assistants		Section
	PhD	Master		After retirement	Contracted	Saudis	Scholarship	On the job	Scholarship	On the job	
	30	S1:9 S2:8		S1:46 S2:42	S1:168 S2:156	0	7	10	4	2	