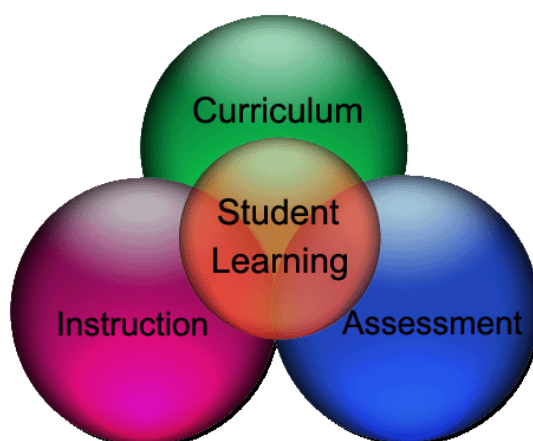


## 1. The Assessment Committee

The Assessment Committee First Annual Report  
Academic Year: 1433-1434 H, 2012-2013G



### **Introduction:**

Assessment Committee of COCP was established on the 10<sup>th</sup> of December 2012 for the purpose of conducting assessment and evaluation of all the processes and procedures the COCP mission. The Committee is expected to fulfill its role and responsibilities through assessing the achievement of the Pharm D Program outcomes and COCP strategic goals and objectives, in line with the college mission. This is to help determine the extent of achievement and to provide input and recommendations to concerned committees and administration for forward planning and improvement. The committee works under the umbrella of QAU and in collaboration with Curriculum Development Committee.

### **Aim of the report:**

The main aim of this report is to summarize the achievements of the Assessment Committee for the academic year 1433-1434 H (2012-2013 G).

**Chair of the committee:** Dr. Ibrahim Abdulrahman Alhaider (Dean)

**Coordinator :** Dr. Afzal Haq Asif

### **Members**

- Dr. Sree Harsha Nagaraja
- Dr. Mueen Ahmed
- Dr. Arshia Shariff
- Dr. Maged El-Sayed Mohamed

**Number of meetings:**

Five meetings were held during the academic year (attached) as follows:

Meeting	Date
First meeting	16/01/2013
Second meeting	13/02/2013
Third meeting	27/03/2013
Fourth meeting	15/04/2013
Fifth meeting	22/04/2013

**Annual duties:**

- Develop, manage and implement assessment plan
- Define infrastructure and resources needed to manage implementation of the assessment plan.
- Develop the assessment tools and guidelines to assess the achievement of the program terminal objectives and objectives of the strategic plan (mission related areas).
- Analyze the assessment data to identify areas of improvement for COCP.
- Develop feedback mechanisms to use results of findings in the assessment process for improvement.
- Disseminate the assessment data appropriately through feedback to the administration, the academic departments and committees.
- Continuously review the assessment plan for improvement
- Assignments / Recommendations / Actions / Outcomes:

Meeting	Date	Assignments / Recommendations / Actions / Outcomes
First	16/01/2013	Collected results of Program Assessment
		Collected results of College Assessment
Second	13/02/2013	Assessment plan and was approved
		Prepare a mapping framework of all courses with program outcomes
Third	27/03/2013	Preparation of final report on achievement of non-curriculum part of college mission
		Follow up on course Blue Printing for this semester and the next one
		Establishment of Exam Cell under supervision of the Chair Dr. Ibrahim (Dean)
		Approval of the Assessment Report First Semester 2012 – 2103.

Meeting	Date	Assignments / Recommendations / Actions / Outcomes
		Requesting Academic Affairs to schedule for online filling of all quality surveys (CES, SES, PES)
		Assessment of achievement of non-curricular components of COCP Mission
		KPI's for calculation of achievement of non-curricular component of the mission was approved
Fourth	15/04/2013	Review the responses of selected surveys to validate the questions
		It was decided that 70% of the achievement of all course objectives on the average will be considered as KPI for successful and effective course delivery
		Assess the extent of achievement of NAPRA and AFPC outcomes based upon the mapping of these with COCP Pharm D outcomes
Fifth	22/04/2013	Design exit survey form for faculty
		Review questionnaire and group them according to various domains being assessed
		A report on APPE rotation

### Summary of achievements:

1. Development and implementation of the assessment plan (Attachment No 1)
2. Preparation of mapping framework of all courses with program outcomes (Attachment No 2)
3. Determination of the percentage of achievement of each course objective beside the overall course achievement for all courses of the first semester (Attachment No 3)
4. Determination of the percentage of achievement of each program outcome beside the overall program achievement for the first semester (Attachment No 4)
5. Implementation of on-line evaluation system for the assessment of non-curriculum part of COCP mission. The final report will be submitted by the end of the semester. (Attachment No 5)
6. Orientation of faculty and increase their awareness by the importance of the blue printing documentation
7. Establishment of Exam Cell under supervision of the Chair Dr. Ibrahim (Dean)
8. Preparation and approval of the Assessment Report for the first semester 2012 – 2103 (Attachment No 6)

9. Assessment of achievement of non-curricular components of COCP Mission and developing KPIs for assessment
10. Assess the extent of achievement of NAPRA and AFPC outcomes based upon the mapping of these with COCP Pharm D program and courses outcomes (Attachment No 7)
11. Design exit survey form for faculty
12. Review questionnaire, validate them and group them according to various domains being assessed

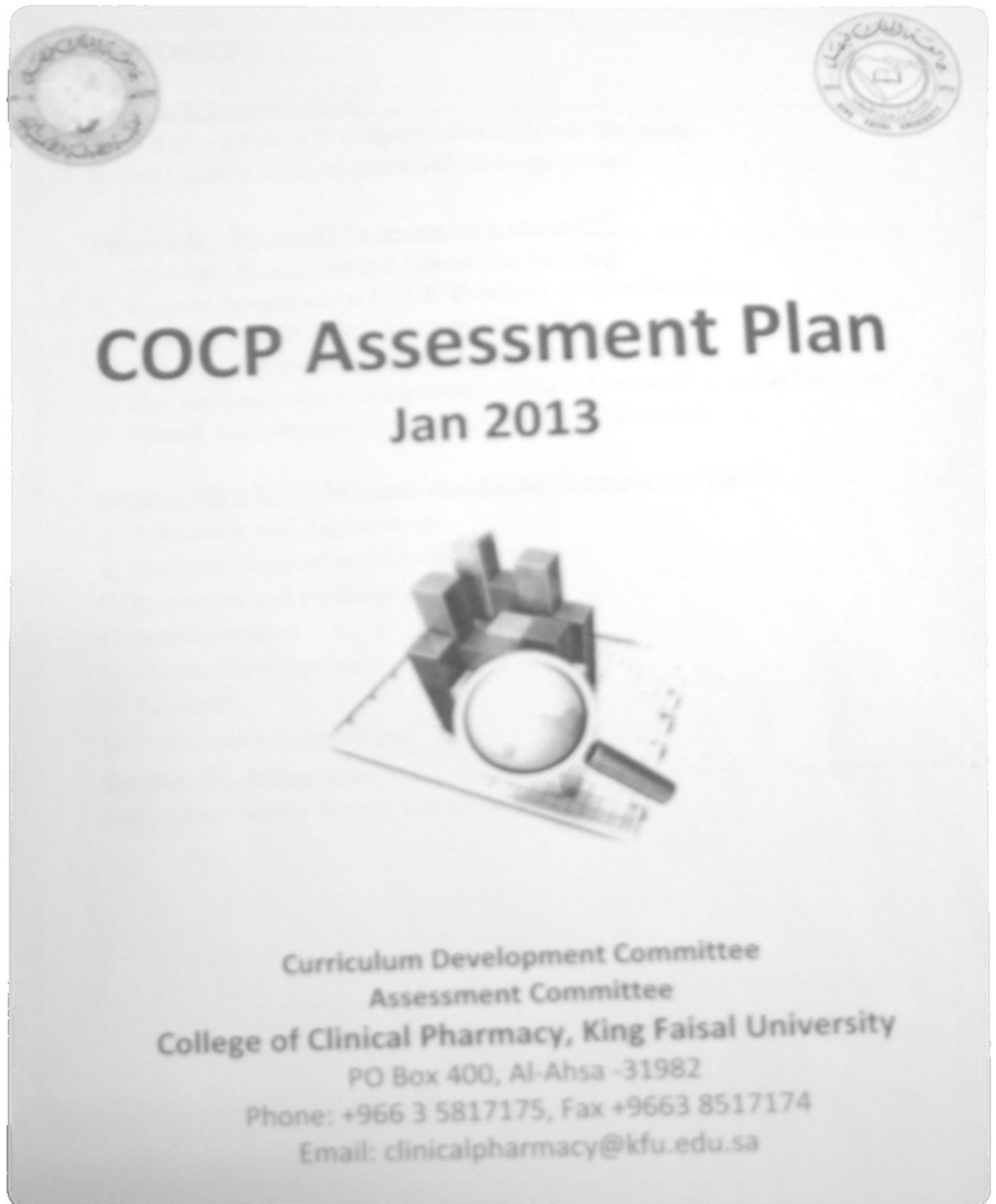
**Future plan:**

1. Continue implementation of the assessment plan
2. Determination of percentage of achievement of course in the second semester
3. Determination of percentage of achievement of whole program after calculation of the second semester achievements
4. Assessment of the program effectiveness using some indirect tools such as graduate and alumni data and data from employers and other stakeholders
5. Assessment of the program quality using benchmarks obtained from different national and international peer programs
6. Overall assessment of the faculty through the assessment of mission and strategic objectives achievement
7. Close the assessment process loop through recommendation as a result of the assessment process and these recommendations are translated into an action plan which should appear in the operational plan of the New Year.

Chair of the assessment committee

Dr. Ibrahim Abdulrahman Alhaider

**Attachment No 1**



**Attachment No 2**

Course	Course objectives	Program Objectives Achievements								Course objective hours	Total Course hours
		1	2	3	4	5	6	7	8		
<b>Semester 1</b>											
Pharmacy Orientation	A	3						2		5	30
	B	2						3		5	
	C		10							10	
	D	5								5	
	E	5								5	
Fundamentals of Pharmaceutics	A	20					5			25	45
	B	5								5	
	C	15								15	
Pharmaceutical Organic Chemistry-1	A	15							5	20	60
	B	8							4	12	
	C	8							4	12	
	D	10							6	16	
Physiology - 1	A	10	10							20	45
	B	4	6							10	
	C		10	5						15	
Anatomy & histology	A		14							14	30
	B		10							10	
	C		6							6	
Biochemistry - I	A	1	1							2	30
	B	4	4							8	
	C	10	10							20	
<b>Total hours</b>		<b>125</b>	<b>81</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>19</b>	<b>240</b>	<b>240</b>

**Attachment No 3**

Course	Course Objectives Achievements						Total course Achievements		
	A	B	C	D	E	F	Mean	SD	SE
<b>Semester 1</b>									
Pharmacy Orientation	91%	77%	94%	94%	100%	N/A	91.2%	8.58%	3.84%
Fundamentals of Pharmaceutics	79%	63%	80%	N/A	N/A	N/A	74.00%	9.54%	5.51%
Pharmaceutical Organic Chemistry-1	92%	92%	90%	84%	N/A	N/A	89.50%	3.79%	1.89%
Physiology - 1	80%	77%	83%	N/A	N/A	N/A	80.00%	3.00%	1.73%
Anatomy & histology	72%	74%	71%	N/A	N/A	N/A	72.33%	1.53%	0.88%
Biochemistry - I	74%	68%	72%	N/A	N/A	N/A	71.33%	3.06%	1.76%

Course	Course Objectives Achievements						Total course Achievements		
	A	B	C	D	E	F	Mean	SD	SE
<b>Semester 3</b>									
Pharmacology -2	74%	77%	85%	71%	64%	N/A	74.20%	7.73%	3.46%
Medicinal Chemistry -1	68%	70%	70%	61%	70%	N/A	67.80%	3.90%	1.74%
Pathophysiology - 1	80%	94%	N/A	N/A	N/A	N/A	87.00%	9.90%	7.00%
Pharmacognosy	80%	78%	67%	N/A	N/A	N/A	75.00%	7.00%	4.04%
Clinical Biochemistry & nutrition	72%	76%	76%	72%	73%	70%	73.17%	2.40%	0.98%
Molecular Biology	76%	79%	74%	64%	72%	N/A	73.00%	5.66%	2.53%

**Attachment No 4****First term 1433-1434 (2012 2013) program-course objective achievement [5]**

Course	Course objectives	Program Objectives Achievements							
		1	2	3	4	5	6	7	8
<b>Level I</b>									
<b>Pharmacy Orientation</b>	A	91.00%						91.00%	
	B	77.00%						77.00%	
	C		94.00%						
	D	94.00%							
	E	100.00%							
<b>Fundamentals of Pharmaceutics</b>	A	79.00%					79.00%		
	B	63.00%							
	C	80.00%							
<b>Pharmaceutical Organic Chemistry-1</b>	A	92.00%							92.00%
	B	92.00%							92.00%
	C	90.00%							90.00%
	D	84.00%							84.00%
<b>Physiology - 1</b>	A	80.00%	80.00%						
	B	77.00%	77.00%						
	C		83.00%	83.00%					
<b>Anatomy &amp; histology</b>	A		72.00%						
	B		74.00%						
	C		71.00%						
<b>Biochemistry - I</b>	A	74.00%	74.00%						
	B	68.00%	68.00%						
	C	72.00%	72.00%						
<b>Program Achievements</b>	Mean	82.06%	76.50%	83.00%	0.00%	0.00%	79.00%	84.00%	89.50%
	<i>n</i>	16.00	10.00	1.00	0.00	0.00	1.00	2.00	4.00
	SD	10.34%	7.58%	--	--	--	--	9.90%	3.79%
	SE	2.59%	2.40%	--	--	--	--	7.00%	1.89%



Attachment 5

[Edit this form](#)

## Non-Curricular Mission Achievement

Please read the questions properly before answering, if you have any queries contact Dr. Harsha, 035899912

\* Required

Name \*

Email ID \*

Year of Joining KFU \*   
Example: 06/2012

Faculty has their Development Plan, if yes send a copy to Professional Development Committee (Dr. Sherif) \*

4) 90% faculty has their Development Plan

Course specifications submitted within 2 weeks of start of semester \*

28) 90% course specifications submitted within 2 weeks of start of semester

Course reports submitted in time \*

29) 90% course reports submitted in time

60 % students participation in all CES on the average \*

30) 60 % students turnover/participation in all CES on the average in each semester

70% students satisfied with the resources available for program in Question 11 of CES (<http://apps.kfu.edu.sa/CRNEvaluation/CRNEval/Admin/View.aspx>) you can get the data from this link \*

35) 70% students satisfied with the resources available for program in Question 11 of CES

Students using library facilities (Only course coordinator should answer this question)

39) 60% students using library facilities

**Attachment 6**

Kingdom of Saudi Arabia  
King Faisal University  
College of Clinical Pharmacy



المملكة العربية السعودية  
جامعة الملك فيصل  
كلية الصيدلة الإكلينيكية

**Assessment report on  
the first term of the  
academic year  
1433-1434H  
(2012-2013G)**

## Pharmacy Orientation

### *Course summary*

- **Course code:** PP-1
- **Course number:** 2030111
- **Department:** Pharmacy practice
- **Credit hours:** 2 (2 Theoretical + 0 practical).
- **Course objectives:**
  - A. Describe the history of pharmacy, pharmacy profession and pharmacy education.
  - B. Describe objectives, scope and requirement of Pharm.D. Program and role of pharmacist in health care system, in present and past.
  - C. Derive the meaning of medical words through analysis of prefixes, roots and suffixes.
- Course objectives contribute to the fulfillment of program outcomes number 1,2 and 7 (see Appendix 3)
- Pre-requisite: none

### *Student results:*

A total of 88 students attended the subject (48 males and 40 females), 89 % of them had passed (85% of male and 93% of females), Figure 1A and Appendix 2. The pattern of student grading follows the normal distribution curve as shown in Figure 1B.

### *Course objective achievement:*

The wording of the objective is good. Verbs were used to indicate only knowledge learning domains. Course objective number D and E wording cannot be found. Generally five course objectives for this course are over and they maybe needed to be merged in lower number.

The overall achievement of the course was up to 91.7 %, Figure 1E with no course objective achievement less than 77%, Figure 1C and Appendix 1. Applying the KPI rule, it can be concluded that the course objectives have been achieved (all of them are more than 60%). The course objective C contributes to the final achievement of the course by 33 %, Figure 1D. Generally the course objective achievement was high compared with the results of the students.

### *Contribution to the program outcome achievement:*

This course contributes in the fulfillment of the program objectives 1,2 and 7. Course objective C contributes to the fulfillment of program objective 2 by 13% of the total achievement of this objective in semester 1.

### *Indirect assessment:*

Two important weak points were addressed through surveys in this course. Course contents are overlapping with other courses. Medical terminology is not only very important but it is a very huge course and needs more concentration. So it was suggested that the course contents will be revised concentrating on delivering very important medical terminology and that a separate course for medical terminology should be designed

***Recommendations***

- 1- The course learning outcomes, objectives and relation to the program outcomes should be refined
- 2- A separate course for medical terminology to be developed as this will be of immense benefits not only to this course but also to many other courses. This course is proposed to be in the preparatory year.

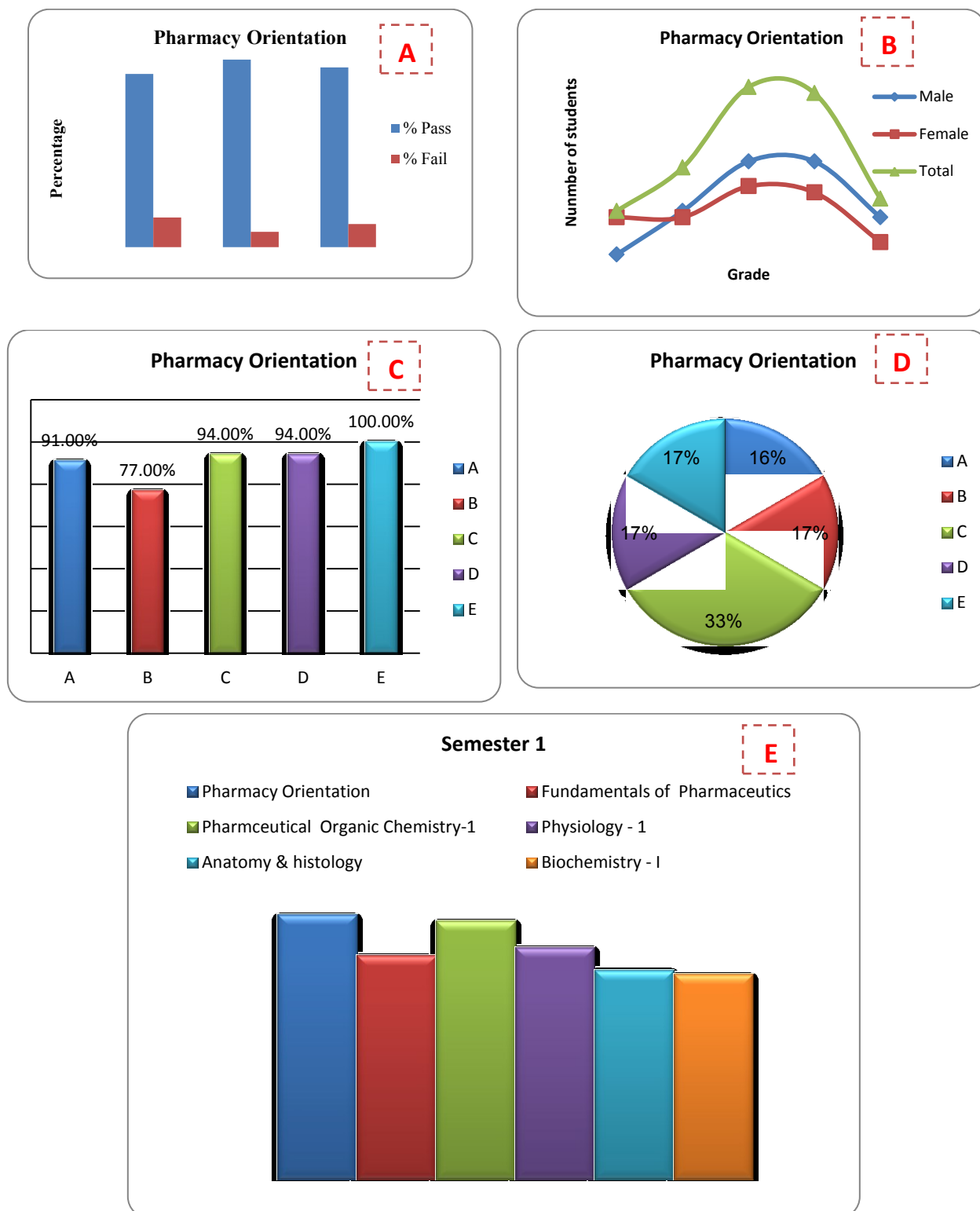


Figure 1: Statistical analysis of Pharmacy orientation course. **A:** Pass/Fail percentage for students. **B:** The normal distribution curve of student results. **C:** Percentages of Course objective achievements. **D:** Contribution of each of the course objectives to the final course achievement. **E:** Final course achievements of the semester

**Attachment No 7**

Competency Categories NAPRA	Pharm D related Program Outcomes COCP	Achievement
<p><u>1. Patient Care:</u> Pharmacists, in partnership with patients and other health care professionals, use their unique knowledge and skills to meet patients' drug and health related needs and to achieve optimal patient outcomes and patient safety.</p>	<p><u>Outcome No. 3:</u> Develop patient data base from patient interview, review hospital record and communication with other health professionals in interprofessional environment.</p> <hr/> <p><u>Outcome No. 4:</u> Apply knowledge of clinical Sciences in designing patient specific therapeutic plan based on best evidence and counseling the patient regarding it</p>	<p>62.87%</p>
<p><u>2. Professional Collaboration and Team Work:</u> Pharmacists work in collaboration with other health care professionals to optimize patient safety and improve health outcomes.</p>	<p><u>Outcome No. 3:</u> Develop patient data base from patient interview, review hospital record and communication with other health professionals in interprofessional environment.</p>	<p>76.89%</p>
<p><u>3. Ethical, Legal and Professional Responsibilities:</u> Pharmacists practise within legal requirements, demonstrate professional integrity and act to uphold professional standards of practice and codes of ethics</p>		

Competency Categories NAPRA	Pharm D related Program Outcomes COCP	Achievement
<p><u>4. Drug, Therapeutic and Practice Information:</u> Pharmacists assume responsibility for accessing, retrieving, evaluating and exchanging relevant information to ensure safe and effective patient care</p>	<p><u>Outcome No. 3:</u> Develop patient data base from patient interview, review hospital record and communication with other health professionals in interprofessional environment.</p> <hr/> <p><u>Outcome No.5:</u> Evaluate drug information retrieved from pharmaceutical and biomedical science recourses and report for application to specific patient care situation.</p>	<p>62.92%</p>
<p><u>5. Communication and Education:</u> Pharmacists communicate with and provide education to groups and individuals in order to promote and support optimal patient care and well-being</p>	<p><u>Outcome No. 3:</u> Develop patient data base from patient interview, review hospital record and communication with other health professionals in interprofessional environment.</p> <hr/> <p><u>Outcome No. 4:</u> Apply knowledge of clinical Sciences in designing patient specific therapeutic plan based on best evidence and counseling the patient regarding it</p>	<p>62.87%</p>
<p><u>6. Drug Distribution:</u> Pharmacists manage the drug distribution system to ensure the safety, accuracy and quality of supplied products.</p>	<p><u>Outcome No. 4:</u> Apply knowledge of clinical Sciences in designing patient specific therapeutic plan based on best evidence and counseling the patient regarding it</p>	<p>48.86%</p>

<b>Competency Categories NAPRA</b>	<b>Pharm D related Program Outcomes COCP</b>	<b>Achievement</b>
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7. Understanding Management Principles: Pharmacists apply knowledge, principles and skills of management with the goal of optimizing patient care and inter-professional relationships.

Outcome No. 4: Apply knowledge of clinical Sciences in designing patient specific therapeutic plan based on best evidence and counseling the patient regarding it

48.86%

		KFU/COCP Program Outcomes						
		2	3	4	5	6	7	8
		<i>Apply knowledge of biomedical sciences for understanding of disease process and its diagnosis.</i>	<i>Develop patient data base from patient interview, review hospital record and communication with other health professionals.</i>	<i>Apply knowledge of clinical Sciences in designing patient specific therapeutic plan based on best evidence and counseling the patient regarding it.</i>	<i>Evaluate drug information retrieved from pharmaceutical and biomedical science recourses and report for application to specific patient care situation.</i>	<i>Apply knowledge of basic principles of drug development, formulation and bioequivalence studies in practice and research.</i>	<i>Use basic principles of organizational and management skills in pharmaceutical services and practice</i>	<i>Apply basic principles to design, implement and conduct research studies in different fields of pharmacy practice and Pharmaceutical Sciences</i>
Care provider	1.1	<i>Develop and maintain professional, collaborative relationships required for patient care.</i>	X	X				
	1.2	<i>Elicit and complete an assessment of required information to determine the patient's medication related and other relevant health needs</i>	X		X			
	1.3	<i>Assess if a patient's medication-related needs are being met.</i>	X	X	X			
	1.4	<i>Determine if a patient has relevant, priority health and wellness needs.</i>		X				
	1.5	<i>Refer patients for management of priority health and wellness needs that fall beyond the scope of practice of pharmacists practice of pharmacists</i>					X	X



