Course Specification Special Surgery

I.	Course Identification and General Information:					
1	**Course Title:**	Special Surgery				
2	**Course Number & Code:**	SR483				
3	**Credit hours:**	**C.H**				**Total**
		Theoretical	**Practical**	**Training**	**Seminar**	
		3	1			4
4	**Study level/ semester at which this course is offered:**	Fourth Year - Second Semester				
5	**Pre –requisite (if any):**	SR482				
6	**Co –requisite (if any):**	None				
7	**Program (s) in which the course is offered:**	Bachelor of Veterinary Medicine				
8	**Language of teaching the course:**	English				
9	**Location of teaching the course:**	Faculty Of Veterinary Medicine				
10	**Prepared by:**	Dr. Aref saleh mohammed abdulmghni Dr. Saleh Ahmed Mohammed Ali Alomaisi				
11	**Date of approval:**					

II. Course description:

The course aimed to provide the student with knowledge and skills in the different surgical affections in different body systems in different animals and its treatment either conservative, manipulative and surgical treatment, different surgical operations for different animals for treatment the surgical affections, pre-operative and postoperative care for any surgical operations.

Prepared by	Quality Assurance Unit	Dean of the Faculty	Academic Development
Dr. Aref abdulmghni	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof	Center & Quality
Dr. Saleh Alomaisi		Al-Shawkany	Assurance
			Ass. Prof. Dr. Huda Al-Emad

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III. Intended learning outcomes (ILOs) of the course:

(A) Knowledge and Understanding:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: **Knowledge and Understanding.**

Program Intended Learning Outcomes (Sub-PILOs) in: Knowledge and Understanding		Course Intended Learning Outcomes (CILOs) in: Knowledge and Understanding	
After completing this program, students will be able to:		After completing this course, students will be able to:	
A1-	Demonstrate a sound knowledge and understanding of concepts and principles of general culture, basic science, and that support veterinary medicine.	a1-	Taking case history, clinical signs and radiographic examination which aid in correct diagnosis of any surgical affections.
A2-	Clarifies basic concepts, principles, and theories related to animal production, animal health and nutrition, behavior management, breeding and care that is related to animal ethical codes.	a2-	Describe and using type of anesthesia which suitable for surgical operations.

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Knowledge and Understanding to Teaching and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Knowledge and Understanding		Teaching strategies/methods to be used	Methods of assessment
completing this course, students will be able to:		1-Lectures. 2-Practical sessions to gain 3- practical skills. 4-Discussion. 5-Using experimental animals. 6-Field trips to treat sick animals in villages.	1-Written exam 2-Practical exam 3-Oral exam 4- Quizzes 5- Report assignments 6- Discussion
a1-	Taking case history, clinical signs and radiographic examination which aid in correct diagnosis of any surgical affections.		
a2-	Describe and using type of anesthesia which suitable for surgical operations.		

(B) Intellectual Skills:

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Dr. Aref abdulmghni Dr. Saleh Alomaisi	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof Al-Shawkany	Ass. Prof. Dr. Huda Al-Emad

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Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: **Intellectual skills**			
Program Intended Learning Outcomes (Sub-PILOs) in Intellectual skills		**Course Intended Learning Outcomes (CILOs) of Intellectual Skills**	
After completing this program, students will be able to:		After completing this course, students will be able to:	
B1	Competently practices analytical and critical thinking skills in studying and assessing health problems and reading the results of animal medical examinations and in related sciences.	b1-	Deal with clinical cases and to know differential diagnosis between surgical affections causing lameness.
B2	Predicts an appropriate medical diagnosis for the most common disease states through analysis of clinical story data and the results of medical examinations of sick animal.	b2-	Evaluate the outcome of the surgery regarding to the cost/ benefit ratio
Teaching And Assessment Methods For Achieving Learning Outcomes:			
Alignment of Learning Outcomes of Intellectual Skills to Teaching Methods and Assessment Methods:			
Course Intended Learning Outcomes (CILOs) in Intellectual Skills.		**Teaching strategies/methods to be used**	**Methods of assessment**
After completing this course, students will be able to:		1-Lectures. 2-Practical sessions to gain 3-practical skills. 4-Discussion. 5-Using experimental animals. 6-Field trips to treat sick animals in villages.	1-Written exam 2-Practical exam 3-Oral exam 4- Quizzes 5- Report assignments 6- Discussion
b1-	Deal with clinical cases and to know differential diagnosis between surgical affections causing lameness.		
b2-	Evaluate the outcome of the surgery regarding to the cost/ benefit ratio		

(C) Professional and Practical Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: **Professional and Practical Skills**	
Program Intended Learning Outcomes (Sub-PILOs) in Professional and Practical Skills	**Course Intended Learning Outcomes (CILOs) in Professional and Practical Skills**
After completing this program, students will be able to:	After completing this course, students will be able to:

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Dr. Aref abdulmghni Dr. Saleh Alomaisi	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof Al-Shawkany	Center & Quality Assurance Ass. Prof. Dr. Huda Al-Emad

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C3	Reads the results of laboratory investigations and diagnostic scans and writes reports and prescriptions for all common cases in a proper way.	c1	Perform different techniques for surgical operations and site of incision and position according to type of animal.
C4	Treats of animal patients safely and effectively taking into account the evaluation of the results, the appropriate modification of the treatment plan and the accurate description of the appropriate medications.	c2	Choose the suitable treatment for each case according to the circumstances and available materials and Calculate of the accurate dose from anesthetic drugs according to weight of animal

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Professional and Practical Skills to Teaching and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Professional and Practical Skills		Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:		1-Lectures. 2-Practical sessions to gain 3-practical skills. 4-Discussion. 5-Using experimental animals. 6-Field trips to treat sick animals in villages.	1-Written exam 2-Practical exam 3-Oral exam 4- Quizzes 5- Report assignments 6- Discussion
c1-	Perform different techniques for surgical operations and site of incision and position according to type of animal.		
c2-	Choose the suitable treatment for each case according to the circumstances and available materials and Calculate of the accurate dose from anesthetic drugs according to weight of animal		

(D) General / Transferable Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: General and Transferable skills

Program Intended Learning Outcomes (PILOs) in General / Transferable skills	Course Intended Learning Outcomes (CILOs) in General / Transferable skills
After completing this program, students will be able to:	After completing this course, students will be able to:

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D1-	Communicates effectively with Professional colleagues and animal owners and expresses his ideas clearly and objectively.	d1-	Work in a team group and Work under pressure and / or contradictory conditions.
D2	Develops his scientific, professional and research capabilities and follow what is emerging in his field of specialization and using computer applications and information and communication technology.	d2	Collect of data about different surgical affections and its treatment from the internet and journal.

<table>
<tr><td colspan="3" align="center">Teaching And Assessment Methods For Achieving Learning Outcomes:</td></tr>
<tr><td colspan="3" align="center">Alignment of Learning Outcomes of General and Transferable skills to Teaching and Assessment Methods:</td></tr>
<tr><td align="center">Course Intended Learning Outcomes (CILOs) in General and Transferable Skills</td><td align="center">Teaching strategies/methods to be used</td><td align="center">Methods of assessment</td></tr>
<tr><td colspan="3">After completing this course, students will be able to:</td></tr>
<tr><td>d1- Work in a team group and Work under pressure and / or contradictory conditions.</td><td rowspan="2">1-Lectures.
2-Practical sessions to gain
3-practical skills.
4-Discussion.
5-Using experimental animals.
6-Field trips to treat sick animals in villages.</td><td rowspan="2">1-Written exam
2-Practical exam
3-Oral exam
4- Quizzes
5- Report assignments
6- Discussion</td></tr>
<tr><td>d2- Collect of data about different surgical affections and its treatment from the internet and journal.</td></tr>
</table>

I. Course Content:
1 – Course Topics/Items:
a – Theoretical Aspect

Order	Topic List / Units	CILOs (symbols)	Sub-topic List	Number of weeks	Contact hours

1	**Diagnosis of Lameness**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification - Healing - Complications	1	3
2	**Affections of the fore limb and hind limb**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification - Healing - Complications	2	3
3	**Affections of digestive system**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification - Healing - Complications	3	3
4	**Affections of urogenital system**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	4	3
5	**Affections of urogenital system**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing , complications	5	3
6	**Affections of respiratory system**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing , complications	6	3
7	**Affections of respiratory system**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	7	3
8	**Opthalmology**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	8	3
9	**Opthalmology**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification - Healing - Complications	9	3
10	**Hoof affections**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	10	3
11	**Claw affections**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	11	3

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12	**Miscellaneous conditions**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	**12**	**3**
13	**Miscellaneous conditions**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	13	3
14	**Miscellaneous conditions**	a1- a2- b1- b2- c1- c2- d2	-Definition -Classification healing complications	14	3
Number of Weeks /and Units Per Semester				**14**	**42**

b- Training Aspect:

Order	Training Tasks	CILOs (symbols)	Number of weeks	Contact hours
1	Neurectomies of the fore and hind limbs	a1- a2- b1- b2- c1- c2- d2	1	2
2	Osephogotomy, tracheostomy , Trephining	a1- a2- b1- b2- c1- c2- d2	1	2
3	Osephogotomy, tracheostomy , Trephining	a1- a2- b1- b2- c1- c2- d2	1	2
4	Laparotomy and treatment of hernia	a1- a2- b1- b2- c1- c2- d2	1	2
5	Ovarectomy and ovariohysterectomy	a1- a2- b1- b2- c1- c2- d2	1	2
6	Treatment of surgical affections of the tail	a1- a2- b1- b2- c1- c2- d2	1	2
7	Soundness and un soundness	a1- a2- b1- b2- c1- c2- d2	1	2
8	Diagnosis of lameness	a1- a2- b1- b2- c1- c2- d2	1	2
9	Affections of digestive system	a1- a2- b1- b2- c1- c2- d2	1	2
10	Affections of urogenital system	a1- a2- b1- b2- c1- c2- d2	1	2
11	Rumenotomy	a1- a2- b1- b2- c1- c2- d2	1	2

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12	Rumenotomy	a1- a2- b1- b2- c1- c2- d2	**1**	**2**
13	Rumenotomy	a1- a2- b1- b2- c1- c2- d2	1	2
14	Rumenotomy	a1- a2- b1- b2- c1- c2- d2	1	2
Number of Weeks /and Units Per Semester			**14**	**28**

II. Teaching strategies of the course:

1-Lectures.
2. Practical sessions to gain practical skills.
3. Discussion.
4. Using experimental animals.
5. Field trips to treat sick animals in villages.

3-Assessment Methods:

1-Written exam
2-Practical exam
3-Oral exam
4- Quizzes
5- Report assignments
6- Discussion

III. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes (CILOs symbols)
1	**Participation, quizzes and assignments**	**1-12**	**10**	**10%**	a1- a2- b1- b2- c1- c2- d2
2	**Mid-semester exam**	**7**	**10**	**10%**	a1- a2- b1- b2- c1- c2- d2
3	**Practical exam**	**13**	**20**	**20%**	a1- a2- b1- b2- c1- c2- d2
4	**Oral exam**	**13**	**5**	**5%**	a1- a2- b1- b2- c1- c2- d2
5	**Final Exam**	**14**	**55**	**55%**	a1- a2- b1- b2- c1- c2- d2
Total			**100**	**100%**	

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Dr. Aref abdulmghni Dr. Saleh Alomaisi	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof Al-Shawkany	Ass. Prof. Dr. Huda Al-Emad

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IV.	Students' Support:

Office Hours/week	Other Procedures (if any)
Saturday-Wednesday from 8:00 a.m.-2 p.m.	Student can contact me via email

V.	arning Resource (MLA style or APA style)S:

1-	Required Textbook(s) (maximum two)
	• Veterinary Anesthesia for 1st Semester, Dept. Staff member 2010 • General Surgery for 2nd Semester, Dept. Staff member 2010 • Manual of Equine field surgery • Atlas of orthopedic surgical procedures of the dog and cat. .
2-	Recommended Readings and Reference Materials
	• Slater (1993): Textbook of Small Animal Surgery, W.B. Saunders. • Geonnor, G.G. (2005): Dollar's Veterinary Surgery.
3-	Essential References
4-	Electronic Materials and Web Sites *etc*.
	Veterinary surgery8m.com Veterinary videos.com
5-	Other Learning Material:

X.	Course Policies:
1	Class Attendance: MANDATORY TO ATTEND ALL COURSE LECTURES
2	Tardiness: Not allowed at all. Students must be in class or in the practical session 10 minutes prior to the beginning of lectures or practical session

Prepared by	Quality Assurance Unit	Dean of the Faculty	Academic Development
Dr. Aref abdulmghni Dr. Saleh Alomaisi	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof Al-Shawkany	Center & Quality Assurance Ass. Prof. Dr. Huda Al-Emad

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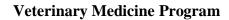Prof. Dr. Al-Qassim Mohammed Abbas

3	**Exam Attendance/Punctuality:** Attendance is mandatory; absence is accepted with valid excuse
4	**Assignments & Projects:** All assignments and projects are to be submitted on their due date. Any assignment turned in after the due date will not be accepted without valid and reasonable excuse
5	**Cheating:** Not tolerated and may lead to **EXPELLING** the student from the program
6	**Plagiarism:** Not tolerated **AT ALL** and may lead to **EXPELLING** the student from the program
7	**Other policies:** 1. All devices must be on silent or at least on vibration during lectures/labs 2. Before any exam (written, oral) we must check student's identity (student's card, ID, passport). Without any of these documents, the student will not be allowed in the exam room. 3. Any of type/ form of cheating is not allowed no matter what. **4.** Maintain silence during lectures/exam and disturbance is not allowed. For any questions students should raise their hand and wait for permission to talk.

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Dr. Aref abdulmghni Dr. Saleh Alomaisi	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof Al-Shawkany	Center & Quality Assurance Ass. Prof. Dr. Huda Al-Emad

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Prof. Dr. Al-Qassim Mohammed Abbas

Course Plan of Special Surgery

X. - Information about Faculty Member Responsible for the Course:							
Name of Faculty Member	Dr-Aref Saleh Mohammed Abdulmughni	**Office Hours**					
Location & Telephone No.	Dhamar university Mobile: +967774501741	**SAT**	**SUN**	**MON**	**TUE**	**WED**	**THU**
E-mail	**areef2000@yahoo.com**						

XI. Course Identification and General Information:						
1-	**Course Title:**	Special Surgery				
2-	**Course Number & Code:**	SR483				
3-	**Credit hours:**	**C.H**				**Total**
		Theoretical	**Practical**	**Training**	**Seminar**	
		3	1			4
4-	**Study level/year at which this course is offered:**	Fourth Year- Second Semester				
5-	**Pre –requisite (if any):**	ANT232, SR482				
6-	**Co –requisite (if any):**					
7-	**Program (s) in which the course is offered**	Bachelor of Veterinary Medical Sciences (BVMSc).				
8-	**Language of teaching the course:**	English				
9-	**System of Study:**	Regular / Semesters				
10-	**Mode of delivery:**	Lectures and Practical				
11-	**Location of teaching the course:**	Faculty of Veterinary Medicine Building				

Prepared by
Dr. Aref abdulmghni
Dr. Saleh Alomaisi

Quality Assurance Unit
Dr. Abdulraqeb Alshami

Dean of the Faculty
Ass. Prof. Dr. Abdu Alraoof
Al-Shawkany

Academic Development
Center & Quality
Assurance
Ass. Prof. Dr. Huda Al-
Emad

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II.	Course Description:

The course aimed to provide the student with knowledge and skills in the different surgical affections in different body systems in different animals and its treatment either conservative, manipulative and surgical treatment, different surgical operations for different animals for treatment the surgical affections, pre-operative and postoperative care for any surgical operations.

II.	Intended learning outcomes (ILOs) of the course:

After completing this course, students will be able to:

a1- Taking case history, clinical signs and radiographic examination which aid in correct diagnosis of any surgical affections.

a2- Describe and using type of anesthesia which suitable for surgical operations.

b1- Deal with clinical cases and to know differential diagnosis between surgical affections causing lameness.

b2- Evaluate the outcome of the surgery regarding to the cost/ benefit ratio

c1- Perform different techniques for surgical operations and site of incision and position according to type of animal.

c2- Choose the suitable treatment for each case according to the circumstances and available materials and Calculate of the accurate dose from anesthetic drugs according to weight of animal

d1- Work in a team group and Work under pressure and / or contradictory conditions.

d2- Collect of data about different surgical affections and its treatment from the internet and journal.

X.	Course Content:

A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours

Prepared by	Quality Assurance Unit	Dean of the Faculty	Academic Development
Dr. Aref abdulmghni	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof	Center & Quality
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			Ass. Prof. Dr. Huda Al-Emad

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1	Diagnosis of Lameness	1	3
2	Affections of the fore limb and hind limb	2	3
3	Affections of digestive system	3	3
4	Affections of urogenital system	4	3
5	Affections of urogenital system	5	3
6	Affections of respiratory system	6	3
7	Affections of respiratory system	7	3
8	**Mid-Term Exam**	8	3
9	Opthalmology	9	3
10	Opthalmology	10	3
11	Hoof affections	11	3
12	Claw affections	12	3
13	Miscellaneous conditions	13	3
14	Miscellaneous conditions	14	3
15	Miscellaneous conditions	15	3
16	**Final Exam**	16	3
Number of Weeks /and Units Per Semester		**16**	**48**

b- Training Aspect:			
Order	Training Tasks	Week Due	Contact hours
1	Neurectomies of the fore and hind limbs	1	2
2	Osephogotomy, tracheostomy , Trephining	2	2
3	Osephogotomy, tracheostomy , Trephining	3	2
4	Laparotomy and treatment of hernia	4	2

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5	Ovarectomy and ovariohysterectomy	5	2
6	Treatment of surgical affections of the tail	6	2
7	Soundness and un soundness	7	2
8	**Mid-Term Exam**	8	2
9	Diagnosis of lameness	9	2
10	Affections of digestive system	10	2
11	Affections of urogenital system	11	2
12	Rumenotomy	12	2
13	Rumenotomy	13	2
14	Rumenotomy	14	2
15	Rumenotomy	15	2
16	**Final Exam**	16	2
Number of Weeks /and Units Per Semester		16	32

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			Ass. Prof. Dr. Huda Al-Emad

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XI. Teaching strategies of the course:

1- Interactive lectures (Brain storming, seminars, discussion).

2-Practical lessons in dissecting room

4- Self learning followed by active learning (beer article and discussion in group).

5- Audiovisual aids materials

II. Assessment Methods:

No.	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment
1	Participation, quizzes and assignments	2-14	10	10%
2	Mid-Term Exam	8	10	10%
3	Mid-Term Practical Exam	8	10	10%
4	Final Practical Exam	15	10	10%
5	Oral Exam	16	5	5%
6	Final Exam	16	55	55%
	Total		**100**	**100%**

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VI. Learning Resource (MLA style or APA style)s:	
6- Required Textbook(s) (maximum two)	
	• Veterinary Anesthesia for 1st Semester, Dept. Staff member 2010 • General Surgery for 2nd Semester, Dept. Staff member 2010 • Manual of Equine field surgery • Atlas of orthopedic surgical procedures of the dog and cat. .
7- Recommended Readings and Reference Materials	
	• Slater (1993): Textbook of Small Animal Surgery, W.B. Saunders. • Geonnor, G.G. (2005): Dollar's Veterinary Surgery.
8- Essential References	
9- Electronic Materials and Web Sites *etc*.	
	Veterinary surgery8m.com Veterinary videos.com
10- Other Learning Material:	
	-

XI.	Course Policies:
1	**Class Attendance:** **MANDATORY TO ATTEND ALL COURSE LECTURES**
2	**Tardiness:** Not allowed at all. Students must be in class or in the practical session 10 minutes prior to the beginning of lectures or practical session
3	**Exam Attendance/Punctuality:** Attendance is mandatory; absence is accepted with valid excuse
4	**Assignments & Projects:** All assignments and projects are to be submitted on their due date. Any assignment turned in after the due date will not be accepted without valid and reasonable excuse

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5	**Cheating:** Not tolerated and may lead to **EXPELLING** the student from the program
6	**Plagiarism:** Not tolerated **AT ALL** and may lead to **EXPELLING** the student from the program
7	**Other policies:** 5. All devices must be on silent or at least on vibration during lectures/labs 6. Before any exam (written, oral) we must check student's identity (student's card, ID, passport). Without any of these documents, the student will not be allowed in the exam room. 7. Any of type/ form of cheating is not allowed no matter what. **8.** Maintain silence during lectures/exam and disturbance is not allowed. For any questions students should raise their hand and wait for permission to talk.

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