



الموضوعات البحثية الخاصة بالمقررات الدراسية -الفرقة الثالثة حديث- الفصل الدراسي الثاني للعام الجامعي 2019- 2020

1- مقرر: باثولوجيا الاجهزة

اسم القسم: الباثولوجيا

اسم المقرر : (systematic pathology) – باثولوجيا الاجهزة

كود المقرر PAT -3234

الفرقة: الثالثة حديث

الموضوعات البحثية	ملاحظات
1. Progression of liver damages	يجب ألا يتجاوز عدد صفحات البحث 15 صفحة
2. Intestinal inflammatory reactions in cattle	
3. Liver cirrhosis	
4. Complications of swallowed foreign bodies in cattle digestive tract	
5. Patho-mechanisms of intestinal displacements	
6. A comprehensive review on stomatitis	
7. Bovine esophageal disorders	
8. Pathological affections of stomach in ruminant	
9. Pathology of nasal cavity	
10.Pathology of larynx	
11.Parasitic pneumonia	
12.Mycotic Pneumonia	
13.Viral pneumonia	
14.Lobar pneumonia	
15.Difference between adenomatosis and viral pneumonia	
16.Accumulation of different types of fluids in thoracic cavity	
17.Nephrosis and nephritis	
18.Congenital and acquired lesions of bovine kidneys	
19.Urolithiasis	
20.Cystitis	

- 1- Introduction (5 marks)
- 2- Categories (items) (25 marks)
 - a-Etiology and pathogenesis
 - b-Gross pathology
 - c-Histopathology
- 3- Conclusion (5 marks)
- 4-References (5 marks)

21.Pathological accumulation of different types of fluids in the pericardial sac.	
22.Pathology of pericarditis.	
23.Difference between myocardial hypertrophy and dilation.	
24.Differences between lymphocytic, suppurative and eosinophilic myocarditis.	
25.Pathology of parasitic myocardial cysts.	
26.Pathology of valvular and mural endocarditis.	
27.Pathology Atherosclerosis.	
28.Pathology of Aneurysmal dilation.	
29.Differences between periarthritis and endarthritis	
30.Encephalomalcia	
31.Brain abscesses	
32.Rabies encephalitis	
33.Meningitis	
34.Orchitis	
35.Congenital and acquired lesions of testis	
36.Spermatocele	
37.Congenital and acquired lesions of the secondary sexual glands	
38.Mark's disease (nervous form)	
39.Mastitis	
40.Mammary gland tumors in canine	
41.Pathology of gravid uterus	
42.Congenital pathological affections occurring during mesonephric and paramesonephrin ducts organogenesis.	
43.Different ovarian structures and their effects on the uterus	
44.Ovarian tumors in cattle.	
45. Cysts formation in female genital tract.	
46. Specific infections causing abortion in equines.	

2- مقرر: البكتريا والفطريات والخاصة

اسم القسم: قسم البكتريا والفطريات والمناعة

اسم المقرر: البكتريا والفطريات والخاصة

كود المقرر: BMS-3235

الفرقة: الثالثة (حديث)

الموضوعات البحثية	ملاحظات
1. Bacterial and fungal causes of <u>MASTITIS</u>	يرجى اتباع الارشادات العامة عند كتابة البحث
2. Bacterial and fungal causes of <u>ABORTION</u>	
3. F. Enterobacteriaceae members and their problems in animals and poultry	
4. Bacterial and fungal causes of <u>RESPIRATORY AFFECTIONS</u> in animals and poultry	
5. Bacterial and fungal causes of <u>SKIN AFFECTIONS</u> in animals	
6. Bacterial and fungal causes of <u>LYMPHATIC AFFECTIONS</u> in animals	
7. Bacterial and fungal <u>TOXINS</u> of veterinary importance	

3- مقرر: طفيليات (جزء ثان)

اسم القسم	الطفيليات
اسم المقرر	طفيليات (جزء ثان)
كود المقرر	PAR: 3236
الفرقة: الثالثة (حديث)	
ملاحظات	الموضوعات البحثية
Support your article with figures (the article should include one figure for morphology and another for biology).	1 I. Blood sucking insects of veterinary and medical importance: Write a review article <u>on one</u> of the following insects including common species, morphology, biology, importance, and control measures. 1- <i>Culex</i> spp. 2- <i>Anopheles</i> spp. 3- <i>Aedes</i> spp. 4- Sand flies 5- <i>Stomoxys</i> spp. 6- <i>Tabanus</i> spp. 7- <i>Glossina</i> spp.
	2 II. Fleas affecting animals and birds: Write a review article <u>on one</u> of the following fleas including common species, morphology, biology, importance, and control measures. 1- Dog fleas. 2- Rat fleas. 3- Chicken fleas.
	3 III. Lice affecting animals and birds: Write a review article <u>on one</u> of the following lice including common species, morphology, biology, importance, and control methods. 1. Lice of pets. 2. Lice of poultry. 3. Lice of large animals.
	4 IV. Myiasis of domestic animals: Many insects have the ability produce myiasis. Write a review article <u>on one</u> of the following myiasis- inducing insects including common species, morphology, biology, importance, and control measures. 1. <i>Sarcophaga</i> spp. 2. <i>Hypoderma</i> spp. 3. <i>Wohlfahrtia</i> spp. 4. <i>Gastrophilus</i> spp 5. <i>Oestrus ovis</i> . 6. <i>Musca</i> spp.
	5 V. Tick flies: Write a review article <u>on one</u> of the following insects including common species, morphology, biology, importance, and control measures. 1. <i>Hippobosca</i> spp. 2. <i>Pseudolynchia canariensis</i> . 3. <i>Melophagus ovinus</i>
	6 VI. Mites of domestic animals and poultry: Mites affect animals and chicken causing severe diseases. Write a review article <u>on one</u> of the following mites including common species, morphology, biology, importance, and control measures. 1. Mites of cattle. 2. Mites of pets. 3. Mites of rabbits. 4. Mites of poultry.

7	VII. <u>Common hard and soft ticks in Egypt:</u> Write a review article <u>on one</u> of the following ticks including common species, morphology, biology, importance, and control measures. 1- One host tick. 2. Two host ticks. 3. Three host ticks. 4. Soft ticks of poultry.	يرجى اتباع الارشادات العامة عند كتابة البحث
8	VIII. <u>Flagellates affecting animals and birds:</u> Write a review article <u>on one</u> of the following trypanosomes including common species, morphology, biology, importance, and control measures. 1. Trypanosomes of equines. 2. Trypanosomes of camels. 3. Trypanosomes of dogs. 4. Trypanosomes of cattle. 5. Trichomoniasis of cattle. 6. Trichomoniasis of pigeons.	
9	IX. <u>Enteric coccidiosis in animals and birds.</u> Write a review article <u>on one</u> of the following Eimeria spp. including common species, morphology, biology, importance, and control measures. 1. <i>Eimeria</i> spp. in chicken. 2. <i>Eimeria</i> spp. in goats. 3. <i>Eimeria</i> spp. in calves.	
10	X. <u>Tissue cysts-forming protozoa:</u> Write a review article <u>on one</u> of the following protozoa including common species, morphology, biology, importance, and control measures. 1. <i>Toxoplasma</i> spp. 2. <i>Sarcocystis</i> spp. of buffaloes	
11	XI. <u>Tick-borne pathogens affecting animals.</u> Write a review article <u>on one</u> of the following pathogens including common species, morphology, biology, importance, and control methods. 1. <i>Babesia</i> spp. of cattle. 2. <i>Babesia</i> spp. of dogs. 3. <i>Theileria</i> spp. of cattle 4. <i>Anaplasma</i> spp. of cattle. 5. <i>Hepatozoon</i> spp.	

4- مقرر : الأدوية (جزء ثان)

اسم القسم	الأدوية (الفارماكولوجيا)
اسم المقرر	الأدوية (جزء ثان)
كود المقرر	PHA : 3237
الفرقة: الثالثة (حديث)	
ملاحظات	مواصفات
المواضيع البحثية	المواضيع البحثية
Drug residues	Introduction – Definitions - Drug residues are economic as well as public health related - Factors that increase the development of residues in food-producing animals - Withdrawal time - Examples for compounds with residual effect - Methods for detection of residues - Risks of drug residues - How to avoid drug residues.
Growth promoters and feed additives	Introduction – Definitions -Types and classifications - Mode of action - Problems for human consumers - References
General drug toxicology	introduction (definitions of toxicology, poison and lassification of drug toxicology) – body (causes of toxicity - fate of poisons in the body -actors modifying the effect of poisons - classification of poisons -diagnosis of poisoning - general treatment of poisoning (removal of poisons - administration of antidote -chelating agents) .
<u>Anthelmintics</u>	Introduction (Definition - Properties of ideal anthelmintic- General mode of action of anthelmintics - Classification of anthelmintics). Body (Antinematodal drugs - Anticestodal drugs - Drugs acting on flukes or trematodes) Requirments for each group : Definition , <u>classification</u> , action , mechanism of action, spectrum side effects contraindication toxicity and treatment of toxicity and examples in each group
Sulphonamides	(Classification, Mode of action, Clinical applications, Side effects and Toxicity)
Antiviral drugs	(Mechanism of action, Classification and Interferons)
Feed additive used as growth promoters	
Antiseptics and disinfectants used in veterinary medicine	

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5- تغذية (خاص)

اسم القسم: التغذية والتغذية الإكلينيكية

اسم المقرر: تغذية (خاص)

كود المقرر: NUT:3238

الفرقة: الثالثة (حديث)

الموضوعات البحثية

ملاحظات

1. Feeds and feeding systems for dairy calves from birth to weaning.

2. Feeding of growing calves from weaning to over 12 months.

3. Feeding and nutritional management of dairy Cows.

4. Nutrient requirements of replacement heifers.

5. Nutritionally related dairy herd diseases.

6. Feed additives used in livestock production.

7. Nutritional requirements(needs) for ewes in different phases

8. Feeding f breeding ewes

9. Feeding of lambs

10. Nutrition - related metabolic disorders in sheep.

11. Feeding standards and the productive functions.

12. Nutritional influences on milk yield and milk composition.

13. Maternal nutrition and its effect on fetal development and reproductive performance.

14. The nutrients required for fattening, and the method of feeding for greatest economy in beef production.

15. Feeding of broilers

16. Feeding of layers

17. Feeding of chicken breeders

18. Feeding of waterfowls

19. Feeding of turkeys

20. Feeding of rabbits

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الارشادات
العامة عند
كتابة البحث

6- مقرر: الفيروسات (خاص)

اسم القسم:	الفيروسات
اسم المقرر:	فيروسات خاص
كود المقرر:	VIR: 3239
الفرقة: الثالثة (حديث)	
ملاحظات	الموضوعات البحثية
For all research reviews: with special refer to the following addresses: taxonomy of viruses- virus isolation- purification- and characterization	<ol style="list-style-type: none"> 1. Viruses inducing respiratory infection in animals and birds 2. Viruses inducing skin and epithelial lesions in animals and birds. 3. Viruses inducing gastro-enteritis in animal and birds. 4. RNA viruses infecting animals and birds. 5. DNA viruses infecting animals and birds. 6. Viruses inducing encephalitis in animals and birds

7- اساسيات علم الوبائيات

اسم القسم:		الصحة والامراض المشتركة والوبائيات
اسم المقرر:		اساسيات علم الوبائيات
كود المقرر:		EPD- 3240
الفرقة: الثالثة (حديث)		
الملاحظات	الموضوعات البحثية	
The review should include definition of epidemiology, components of definition, the objectives of epidemiology, scope of epidemiology, fundamental assumption of epidemiology, epidemiologist duties and tasks.	1. Why is it important to study epidemiology	
The review should include, Preparation for field work "epidemiological team, equipments, tasks and communication, design of an epidemiological field study ,methods of sampling for epidemiological study ,preparation of epidemic report and communication	2. Basic field epidemiology for studying health problem	
The review should include, origin of disease, natural history of disease, disease ecology, economic impact, planning of disease control, prevention of re-occurrence of disease.	3. Uses "Application" of Epidemiology in veterinary field	
The review should include definition, different types of epidemiology, description, characterization, steps of descriptive studies, epidemiological approaches for health problem.	4. Types of epidemiology "Epidemiological sequence "	
The review should include "monitoring, survey and surveillance system", importance of surveillance in epidemiology, types of surveillance, sources of data, the flow of information for reportable diseases, surveillance interpretation.	5. strengthen of Surveillance system is a cornerstone for prevention and control of pandemic diseases such as (COVID-19)	
The review should include the epidemiological study "definition and types", applications, analytical study, objectives, etiology of disease, risk factors, hypothesis, exposure and outcome,	6. Analytical study attempt to establish etiology and/or risk factors of certain diseases	

	interpretation.	
7. An epidemic curve (epi curve) shows progression of illnesses in an outbreak over time.	The review should include the epidemic curve definition, factors affecting the shape of epi curve, types , how to draw an epi curve, interpreting epi-curve .	
8. Natural history of the communicable disease and the spectrum of the disease in animal population.	The review should include stages of the natural history, spectrum of the disease, and iceberg concept of the disease, with examples.	
9. Chain of infection of the communicable disease.	The review should include the six stages of transmission of the communicable disease, with examples.	
10. Different modes of transmission of the infectious agent and their implications in the epidemiology of the disease.	The review should include direct and indirect transmission of the infectious agent and the probability of each mode in the occurrence of the disease in the population.	
11. Primary and secondary levels of prevention of the communicable disease.	The review should include health promotion, immunization, quarantine, chemoprophylaxis, screening, diagnosis, early treatment, and isolation,with examples	
12. The basic reproduction number of the infectious agent (R0) and the factors affecting it.	The review should include the definition of basic reproduction number (R0) and its relation to the occurrence of the communicable disease. Also, discussing factors affecting R0.	
13. Experimental epidemiological studies can prove the efficacy of the vaccines in preventing the epidemic diseases.	The review should include the definition, role of experimental study, type, economic benefit on the community, problems of application, advantages and disadvantages.	
14. An epidemiological approach to screening of apparently healthy animals' asymptomatic carriers	The review should include concept of disease, Iceberg phenomenon, screening process, criteria of successful screening test, test evaluation, table 2x 2.	
لا يقل عدد صفحات البحث عن 10 صفحات		

8- مقرر: تناسليات (جزء اول)

اسم القسم: التوليد والتناسل والتلقيح الاصطناعي

اسم المقرر: تناسليات – 1- 1 – Theiogenology

كود المقرر: THR- 3241

الفرقة: الثالثة حديث

ملاحظات	الموضوعات البحثية
يرجى اتباع الارشادات العامة عند كتابة البحث	1. Mechanism of ovulation in female animals
	2. Fate of mature graffian follicle
	3. Role of anti-Mullerian hormone in the process of folliculogenesis in female animals
	4. Follicular waves during the estrous cycle in cow
	5. The process of oogenesis in cow.
	6. Regulatory role of Leptin and nutrition in the acquisition of puberty in female animals.
	7. The process of fertilization in cow and mare
	8. Factors affecting the age of puberty in different animal spp.
	9. Follicular phase of the estrous cycle in different female animals
	10. Progestitional phase of the estrous cycle in different female animals
	11. Physiological anestrus in female animals
	12. Roles of tonic and surge centers of the hypothalamus in animal reproduction
	13. Impact of season on the onset of puberty in animals
	14. Induced ovulation in female animals
	15. Barriers inside the female genital tract against sperm and their role in reproduction
	16. Follicular development from primordial follicle to mature graffian follicle in cattle

17.Role of interaction between endometrium and CL in continuous female cyclicity	
18.Role of positive and negative feed-back mechanisms in the control of female cyclicity	
19.The estrous cycle of bitch	
20.The estrous cycle of camel-cow	
21.Pregnancy	
22.Stages of Pregnancy	
23.Gestation Period in Different Animals	
24.Hormonal control of pregnancy in Cow	
25.Hormonal control of pregnancy in Mare	
26.Induction of Abortion	
27.Endocrinology of Parturition	
28.Induction of Parturition	
29.Placental hormones	
30.Reproductive patterns in Cows	
31.Reproductive patterns in Buffaloes	
32.Reproductive patterns in Mares	
33.Reproductive patterns in Camel	
34.Reproductive patterns in Ewe	
35.Reproductive patterns in Goat	
36.Reproductive patterns in Bitch	
37.Reproductive patterns in Cat	
38.Primary Hormone of Female reproduction	
39.Secondary Hormone of Female reproduction	
40.Primary Hormone of Male reproduction	

41.Secondary Hormone of Male reproduction	
42.Male Gonadal Hormones	
43.Female Gonadal Hormones	
44.Hypothalamic Hormone of Female Reproduction	
45.Anterior Pituitary Hormone of Female Reproduction	
46.Anterior Pituitary Hormone of Male Reproduction	
47.Hypothalamic Hormone of Male Reproduction	
48.Steroid Hormones implicated in Female reproduction	
49.Steroid Hormones implicated in Male reproduction	
50.Protein & Peptide Hormones of female reproduction	
51.Protein & Peptide Hormones of Male reproduction	
52.Role of Adrenal gland in Control of female reproduction	
53.Role of Adrenal gland in Control of male reproduction	
54.The Female Reproductive Glands	
55.The Male Reproductive Glands	
56.Mechanism of hormone action	
57.Biological sources of Reproductive Hormones	
58.Functions & Clinical uses of Gonadotropins	
59.Functions & Clinical uses of Estrogen	
60.Functions & Clinical uses of Progesterone	
61.Functions & Clinical uses of Prostaglandins	

ارشادات عامة

Guidelines for writing an essay/research

- 1- An individual **student or 3-5 students** can share one essay/research.
- 2- The essay/research should include a cover page containing the ID number (s) of the participant (s), **year (1st حديث)**, **article topic**, and **e-mail** of the corresponding participant for contact.
- 3- **Write 5-10 pages excluding cover page**
- 4- **Student** must submit essay/research in WORD format or PDF files, Font size 14, line spacing 1.5, Times New Roman style or Arial with normal margins (2.5 cm/1 inch on each side of the paper).
- 1- The essay/research consists of 4 main parts: **introduction, body, conclusion and References.**
- 2- **Support your article with illustrations and figures when possible.**
- 3- **Organize** the essay so that it covers a set list of subtopics that each supports your main topic.
- 4- **Include** a reference list at the end of the essay/research arranged alphabetically.

يختار الطالب احد الموضوعات السابقة لكتابة مقالة بحثية من 5-10 صفحات بالمواصفات التالية:

- 1- يكتب الطالب علي الغلاف كافة البيانات (الرقم القومى وعنوان البحث و الفرقة و المادة)
- 2- يكتب الطالب مقدمة introduction فى موضوع البحث لا تزيد عن صفحة واحدة و يتناول فيها الطالب اهمية موضوع البحث (تقديم وتحضير القارئ لفكرة بحثك - استعراض فكرة بحثك، أو وجهة نظرك - استعراض الطريقة أو الأفكار التي من خلالها ستثبت وجهة نظرك).
- 3- **المتن أو المحتوى** : وهو القسم الرئيسي من أي بحث، ويمثل جوهر الموضوع لأنه يحوي القسم الأكبر من المعلومات (يقسم الطالب البحث الي عدة عناصر كما تم دراسته مدعما شرحه بالصور والرسومات كلما امكن).

4- يختم الطالب البحث بخلاصة conclusion في نصف صفحة

5- و اخيرا يذكر الطالب اسماء المراجع References التي اقتبس منها و اعتمد عليها في اعداد البحث

- **AVOID PLAGIARISM IN YOUR ARTICLE: I.E. AVOID COPY AND PASTE FROM INTERNET/ANY SOURCE OR FROM YOUR CLASSMATES' ARTICLES.**

• هام جدا : يتم كتابة البحث على النموذج المرفق لكل فرقة

مصادر معلومات مقترحة لإعداد البحوث العلمية

Distance learning solutions / UNESCO

<https://en.unesco.org/covid19/educationresponse/solutions>

بنك المعرفة المصري

<https://www.ekb.eg/ar/home>

المكتبة الرقمية العالمية

<https://www.wdl.org/ar>

ذاكرة مصر المعاصرة

<http://modernegypt.bibalex.org/>

المجموعات العربية عمى الانترنت

<http://dlib.nyu.edu/aco>

الوارق

<http://www.alwaraq.net>

مكتبة الشرق الأوسط العربية

<https://dlme.clir.org>

أرشيف المجلات الأدبية والثقافية العربية

<http://archive.sakhrit.co>

مركز المعرفة الرقمي

<https://ddl.ae>

الموسوعة العربية العالمية

<http://www.mawsoah.net>

<https://www.marefa.org/> موسوعة المعرفة



جامعة بني سويف
كلية الطب البيطري
وكيل الكلية شئون التعليم والطلاب

