

Title: Vaccinology (CRN: VIR-3178). Syllabus.

Date: Monday, March 25, 2024.

Author and course coordinator: Ausama A. Yousif, DVM, MSc, PhD. Professor of virology.

Week	Subject	Special Notes
1	- The global disease burden and the importance of vaccine in integrated control programs. - Discuss course syllabus, policy, and requirements. -*Ethical issues related to vaccine testing, production, and distribution.	Please check my University Scholar Website.
2	Danger, antigen presentation and immunological memory.	Think about topics <u>related to vaccine quality control and quality assurance</u> .
3	Advantages and limitations of conventional vaccines (select models).	Think about topics <u>related to vaccine quality control and quality assurance</u> .
4	Advantages and limitations of conventional vaccines (select models).	Discuss your report title during office hours. If you do have an experimental design in mind, bring it as well. If not, ask me questions regarding the difficulties you are having.
5	Recombinant, sub-unit, and NA vaccines (select models).	Discuss your report outline during office hours.
6	Mucosal Vaccines (select models).	It is time to send me the first draft of your report contents .
7	Vaccine adjuvants (select models).	Discuss your edited report contents during office hours.
8	Innovative delivery systems and routes (select models).	Experimental design first draft must be discussed during office hours.
9	* Vaccine quality control and quality assurance.	Experimental design prefinal draft must be discussed during office hours.
10	Therapeutic vaccine trials (select models).	Short Reports due. Final week for handing in experimental designs.
11	Student presentations	Everyone must be present.
?	PROJECTED Exam week.	Good luck.

* This topic will be discussed throughout the course and an overview will be presented during the specified lecture.

Notice: I will be expecting you to contact each other and myself at least twice a week. When a web meeting is required, I will try to schedule an online meeting using suitable technology. You will have to work online together.

At the end of each lecture, I expect you to assemble a set of 10 questions that can be part of your exams. This is going to be in the form of group activity. This exercise will keep you on track. It will also help you understand the required concepts.

I will always support you. Learn, understand, and help humanity.

Best of luck.

Ausama

End.