

"APPROVED"



K.O. Dzhusupov,
Head of the Department of
Public Health

Green Healthcare Management

SYLLABUS

FALL 2025

For students of Master Program in Public Health & Medicine

3 credits (90 h, including 30 class hours, 60 hours of independent study)

Course Leader: **Nurgul Iliazova, candidate of economic science**
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Ten lecture sessions will be on Mondays and Fridays

Start date: September 04, 2025

End date: September 26, 2025

Zoom link for the lectures (14:00-15:35 pm; 16:00-17:30 pm):

<https://us05web.zoom.us/j/6101267116?pwd=zOR8XcqMSTTPBZllhOWcysngdWBWPD.1>

Meeting ID: 610 126 7116

Passcode: nnu06s

Workshops (14:00-15:35 pm; 16:00-17:35 pm)

Location: Room No 502, IHSM Main building, 1F Intergel'po st., Bishkek

Pre-requisites: This course is open to postgraduate scholars, fellows, and graduate students. An equivalent to introductory epidemiology, a behavioral/social science quantitative method, or a biostatistics course is very helpful. Prior consultation with Course Leader is recommended for those who do not meet any prerequisite.

Course Policies and Procedures:

1. The course of "Green Healthcare Management" of scientific research is highly interactive, and student attendance and participation are critical. The lecturer expects a respectful environment to discuss different positions. Active participation is promoted by taking care of not being dominant. Attendance will be checked for each class. Absenteeism, tardiness, and lack of participation will be reflected in the student's grade. Please notify the instructor in advance if you will not be attending a class. All course materials, assignments, instructions and exam quizzes are on Moodle platform <https://moodlephd.ism.edu.kg/>.
2. *Academic Conduct.* Students at IHSM are expected to maintain academic conduct, professional honesty, and personal integrity. IHSM is committed to upholding academic behavior standards consistent with the academic and professional communities of which it is a part. Plagiarism,

cheating, and other misconduct are serious violations of the IHSM Student Conduct Code. We expect you to know and follow the school's policies on cheating and plagiarism. Any suspected cases of academic misconduct will be handled according to IHSM regulations.

3. Cell phones must be turned off and are not used in the class during class.
4. *Students with disabilities (with special needs)*: Students with disabilities needing appropriate academic adjustments should contact the dean and the lecturer as soon as possible to ensure their needs are met on time. Students must inform the lecturer of the disability early in the class so appropriate accommodations can be done. Handouts are available in alternative accessible formats upon request.

Introduction. The main need to study the discipline "**Green Healthcare management**" is the formation of theoretical knowledge, basic principles and practical skills of management in the field of healthcare. The theoretical part of the course is aimed at mastering knowledge by undergraduates about the basic concepts and principles underlying management in the field of healthcare, and about the structural and functional foundations of management of a healthcare organization. The practical part of the course is aimed at the willingness to apply modern management methods and models to improve the efficiency of the health system, as well as to develop management solutions to improve the efficiency of a medical organization.

Course Objectives

Upon completion of the "**Green Healthcare Management**" course, students will be able to demonstrate and describe various healthcare management organizations:

- ◆ Compare practices of professionalism in the healthcare setting.
- ◆ Analyze alternative management solutions in healthcare related problems and challenges.
- ◆ Discuss how global health issues affect the Kyrgyz Republic and other countries healthcare systems.
- ◆ Describe the framework in which healthcare services are produced, coordinated, consumed, and reimbursed.
- ◆ Demonstrate knowledge of strategic planning and decision making in the healthcare organizations.
- ◆ Demonstrate cultural competence in healthcare through collaboration and teamwork.

Learning outcomes

At the end of this course students will be able to apply managerial skills to their public health and clinical research and gain the required skills to write and conduct hospital administrative duties. In particular, students will be able to:

- ◆ He will be able to manage medical organizations, analyse socio-economic problems and social processes, and use methods of socio-economic relations in the healthcare system, taking into account the needs of society.
- ◆ He will be able to use management methods in healthcare; organize the work of public and private medical organizations and institutions; find and make responsible management decisions in the context of public and global public health, within the framework of his professional competence.

Teaching strategy

The course is housed in IHSM e-Learning in Moodle. This course is blended taught through a discussion and lecture format with online "Blended Learning" assignments. Your participation in the class is vital to its success. Be prepared and ready to participate in each class, if voluntary participation lags students will be called on randomly. The "student to-do" function will be used in Moodle. The "student to-do" function will be displayed in your Moodle app calendar as a reminder to

read or watch the “Blended Learning” assignments for the upcoming module. All students will receive written feedback for each unit assignment and final assignment.

Blended Learning

Throughout the semester several Blended Learning assignments will be uploaded in Moodle.

What is blended learning and why is it important?

A Blended Learning class uses a mixture of technology and face-to-face instruction to help you maximize your learning. Knowledge content that, as the instructor, I would have traditionally presented during a live class lecture is instead provided online before the live class takes place. This lets me focus my face-to-face teaching on course activities designed to help you strengthen higher-order thinking skills such as critical thinking, problem-solving, and collaboration. Competency in these skills is critical for today's health professionals.

What is expected of you?

You are expected to actively engage in the course throughout the semester. You must come to class prepared by completing all out-of-class assignments. This preparation gives you the knowledge or practice needed to engage in higher levels of learning during the live class sessions. If you are not prepared for the face-to-face sessions, you may struggle to keep pace with the activities occurring in the live sessions, and it is unlikely that you will reach the higher learning goals of the course. Similarly, you are expected to actively participate in the live class. Your participation fosters a rich course experience for you and your peers that facilitates overall mastery of the course objectives.

Instructional methods: This course is conducted online, in weekly units. The course presents information in different ways: 1) lectures; 2) assigned readings (textbook chapters); 3) home assignments - exercises; 4) Class quizzes.

Course Activities and Student Products: The course is based on the textbooks of Howard Frumkin, Christine Coussens. Roundtable on Environmental Health Sciences, Research, and Medicine Board on Population Health and Public Health Practice. And also G.V.R.K. Acharyulu Bhimaraya Metri L. Kalyan Viswanath Reddy. Healthcare and Hospital Management Contemporary Issues and Strategies. Class exercises and discussion, calculations on PC using MS Excel and some programs and other in-class participation, home assignments and final presentations. Additional analysis of an empirical dataset can be arranged individually.

Attendance. Class attendance is a critical component of the learning process. Students are expected to be present for all classes, since much of the material will be covered only once in class. Please note all faculty are bound by the IHSM policy for excused absences is required for all classes. Planned absences for reasons other than acute illness need to be excused in advance by the course master. Absences will typically be excused for reasons such as religious holidays, career development activities, or illness. Students who miss more than four classes may be expected to withdraw from the class.

Required readings should be completed before appropriate sessions as instructed. Recommended readings are for further exploration, depending on the student's interest.

To prepare for discussions, I want you to analyze each example given in Chapters of G.V.R.K. Acharyulu Bhimaraya Metri L. Kalyan Viswanath Reddy. Healthcare and Hospital Management Contemporary Issues and Strategies. Students have to do each exercise given under the section “Apply your knowledge”.

Assignments. Students will identify a dataset and develop and test some hypotheses. This project will be completed in separate assignments then presented in a final 10-minute presentation and a report. Overview of research and its methodologies:

1. Concepts of healthcare management
2. The need for healthcare management and medical policy
3. Types of healthcare services
4. Steps in conducting strategic planning and decision making in the healthcare organizations.

Exercises from the Textbook must be submitted to Moodle.

Quizzes. There will be quizzes in class and outside of class which will be posted in Moodle. Having quizzes regularly encourages studying the material on a regular basis and paying attention to the material covered in class. The quizzes allow the instructor to modify and adjust instruction and the immediate feedback helps students to monitor their understanding. Having more quizzes can reduce test anxiety that doing poorly on a single quiz will have a negative effect on a student's grade. Also, the lowest four quizzes will be dropped. Any missed in-class quizzes will be recorded as a zero and will count as one of the four dropped quizzes. Quizzes will consist of true/false, multiple choice, or short answer questions probing the content of that week's lecture and/or readings. Questions are shown one question at a time and locked after answering which means you cannot scroll up and down the quiz. Disallowed aids include but are not limited to class notes, books, online resources, or other people. Students may not discuss any aspect of a quiz with classmates or others until after the quiz due date/time has passed. Potential schedule conflicts preventing a student from completing a quiz by the due date should be reported to the TA as soon as possible before the quiz becomes available on the course website. Any technical issues should be initially reported via email to the TA prior to the quiz end date/time. Make-up quizzes due to technical difficulties will not be considered otherwise.

Final exam: Students will also be tested on general course material in quiz and exam format.

Course Evaluation

Attendance	5%
Bivariate Analysis Project (BAP)	35%
Assignments	30%
Quizzes, Unit exams & Final exam	30%
Total	100 points

Required readings:

- 1) Howard Frumkin, Christine Coussens. Roundtable on Environmental Health Sciences, Research, and Medicine Board on Population Health and Public Health Practice. The national Academies Press. Washington D.C. 2007. International Standard Book Number-13: 978-0-309-10592-7 International Standard Book Number-10: 0-309-10592-7.
- 2) Столяров С.А. Менеджмент в здравоохранении. Учебник для ВУЗов. М.: Юрайт. -2019. С. 764.
- 3) Питер Конгстведт Управление медицинской помощью. Практическое руководство. М.: Геотар медицина. 2000. С. 743.
- 4) G.V.R.K. Acharyulu Bhimaraya Metri L. Kalyan Viswanath Reddy / Healthcare and Hospital Management Contemporary Issues and Strategies. First Edition: New Delhi, 2014 /ISBN: 978.
- 5) Багдасарян Д.Г. Методические материалы (указания, разработки, рекомендации) по дисциплине «Правовое регулирование деятельности организаций здравоохранения». Ультралит. М.: -2014. С. 121.
- 6) Носырев С.П. От менеджмента качества медицинской помощи к качеству менеджмента. //Менеджмент в здравоохранении. 2006. №9.
- 7) Юрасова М.В. Современные подходы к управлению качеством. //Вестник МГУ им. Ломоносова. №1. М.: - 2011. С. 112-125.
- 8) Ильясова А.Р. Основы экономики здравоохранения: учебное пособие/ А.Р.Ильясова. – Казань: Изд-во Казан. ун-та, 2019. – 86 с.
- 9) Sherman Folland, Allen C. Goodman, Miron Stano. The Economics of Health and Health Care. 5th Edition. ISBN 0132279428 (ISBN13: 9780132279420).
- 10) Александрова А.В. Стратегический менеджмент: Учебник / Н.А. Казакова, А.В. Александрова, С.А. Курашова, Н.Н. Кондрашева. - М.: НИЦ ИНФРА-М, 2013. С. 320.

- 11) Волкогонова О.Д. Стратегический менеджмент: Учебник / О.Д. Волкогонова, А.Т. Зуб. - М.: ИД ФОРУМ, НИЦ ИНФРА-М, 2015. - 256 с.
- 12) Анненкова Е.Н., Кондрашова Е.С. Трудовая мотивация врачей: зарубежный опыт // В сборнике: Модернизация современного общества: инновации, управление, совершенствование: экономические, социальные, общенаучные закономерности и тенденции: в 3-х частях. Новосибирский государственный технический университет, 2015. С. 16-19.
- 13) Лактионова Л.В., Матюхина О.М. Информационное обеспечение деятельности медицинского учреждения. Клиническая практика. №1. М.: - 2013. С. 43-51.
- 14) Paul J. Feldstein. Health Care Economics (Delmar Series in Health Services Administration). 6th Edition. ISBN 1401859798 (ISBN13: 9781401859794).

Note: Copies of all required readings are available in Moodle. Weekly lecture presentations and useful materials will be made available in Moodle. Materials used for each week are posted for informational purposes and not required readings.

Key Dates:

Introduction class	04.09.2025
Assignment 1 submitted:	20.09.2025
Assignment 2 submitted:	24.09.2025
Assignment 3 submitted:	30.09.2025
Final online exam due:	TBA in December 2025