

Using Coursera for DKU – Student Guide

What is Coursera for DKU?

For the past two years Duke and DKU students have had access to Coursera materials created by Duke faculty. However, due to the current disruption to classes at Duke Kunshan University, we are expanding this catalogue of courses in a new program called “**Coursera for DKU**”, which allows DKU faculty and students to access **all Coursera courses created by all institutions** – not just Duke – at no charge.

Coursera for DKU hosts a rich variety of thousands of online modules from many highly regarded universities from around the world, including the University of Michigan, Yale University, the University of Peking, the University of Copenhagen, as well as Duke. Duke was involved in the creation of the “[Coursera for Campus](#)” platform and we are excited to share this approach with the Duke Kunshan community now.

These online modules are grouped into short, self-paced courses (typically composed of 4-6 modules) that include videos and text-based lessons, practice exercises, and assessments. Other faculty at Duke have used these courses as online textbooks and video enrichment for their face-to-face and online courses.

You can access Coursera for DKU [here](#). (More instructions are below.)

How might Coursera for DKU be included in your DKU class?

Your professors might point you to the Coursera for DKU platform to access content in Coursera courses that would enrich your weekly class sessions – similar to how you might use a textbook or other educational resource. Coursera courses often include high quality videos, texts and other content that might be relevant to your DKU course. Many Coursera courses also include assessments (for example, quizzes) that can be useful as knowledge checks and practice for students. Please note however, that **all graded assessments will**

still take place in Sakai or other locations outside of Coursera for DKU. Coursera for DKU exists to provide you access to a world of online content to support your learning but your primary online DKU course experience will take place in Sakai, Zoom, and and other DKU tools and platforms.

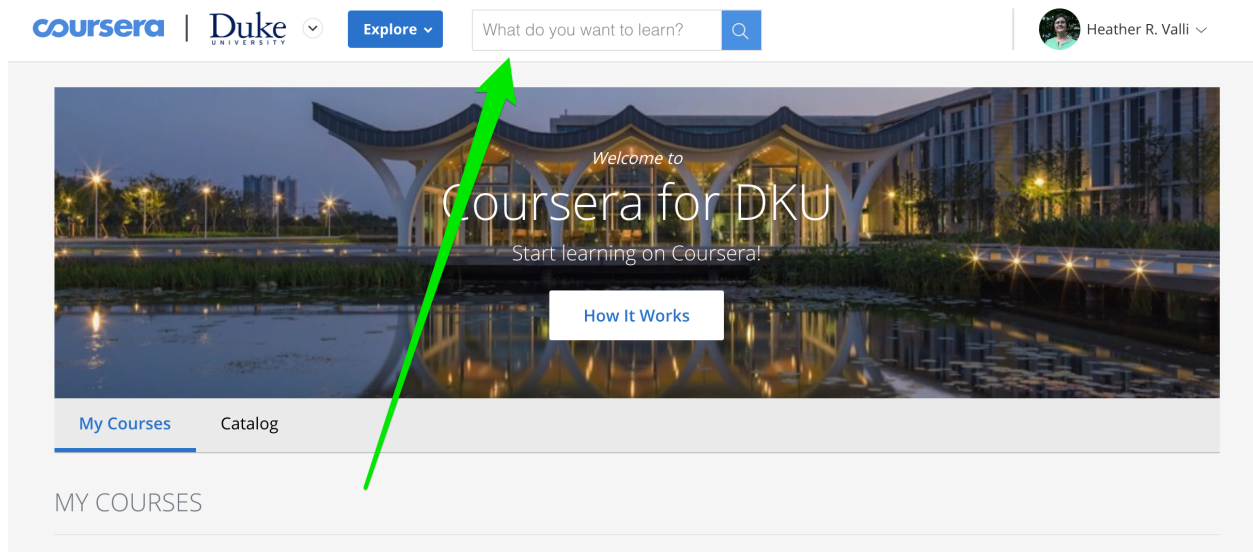
We encourage you to freely explore the entire Coursera catalog! This is an unparalleled opportunity for you to sample learning experiences from Duke and other world-class institutions.

How to find Coursera for DKU content

First, access Coursera for DKU.

- Go to this url: <https://coursera.org/programs/coursera-for-dku-qa3sb>
- Once there, click the **“Join for free”** button in the middle of the screen.
- Click **“Login with Duke University.”** A screen will appear with a place to login with your NetID. Do so.
- You will **receive an email** to confirm your Coursera membership. **Follow the directions** in the email and your registration with Coursera will be complete.
- If you have any difficulty logging into Coursera for DKU, contact hrv@duke.edu for support.

Next, find appropriate course content in Coursera. Use the “What do you want to learn” search bar to browse the catalog for a specific topic.



A number of courses related to that topic will appear. Click on any that seem potentially useful or interesting (or those that your professor has guided you to access).

The screenshot shows the Coursera search interface. At the top, the Coursera logo is on the left, followed by the Duke University logo and a dropdown arrow. To the right is a blue 'Explore' button and a search bar containing the word 'Physics' with a magnifying glass icon. Below the search bar, a grey bar indicates 'Showing 648 total results for "Physics"'. Underneath this bar are several filter options: 'Filter By' followed by dropdown menus for 'Language', 'Level', 'Skills', 'Partner', and 'Learning Product'. The main content area displays four course cards, each with a thumbnail image, title, institution name, a 'COURSE' button, a star rating, the number of reviews, the number of students, and a difficulty level indicator.

Showing 648 total results for "Physics"

Filter By Language Level Skills Partner Learning Product

- Physics of silicon solar cells**
École Polytechnique
COURSE
★★★★★ 5 (7)
Mixed
- Particle Physics: an Introduction**
University of Geneva
COURSE
★★★★☆ 4.5 (360) | 34K students
Mixed
- Semiconductor Physics**
University of Colorado Boulder
COURSE
★★★★☆ 4.3 (33) | 4.6K students
Advanced
- Exploring Quantum Physics**
University of Maryland, College Park
COURSE
★★☆☆☆ 2 (1)
Mixed

When you click on a course, you will see an overview. The overview will give you insight into what the entire course is about and what it will cover.

Particle Physics: an Introduction

★★★★★ 4.5 360 ratings • 111 reviews

Enroll for Free
Starts Feb 11

🔖 Save for Later

Sponsored by Duke University

About this Course

This course introduces you to subatomic physics, i.e. the physics of nuclei and particles.


More specifically, the following questions are addressed:

- What are the concepts of particle physics and how are they implemented?
- What are the properties of atomic nuclei and how can one use them?
- How does one accelerate and detect particles and measure their properties?
- What does one learn from particle reactions at high energies and particle decays?
- How do electromagnetic interactions work and how can one use them?
- How do strong interactions work and why are they difficult to understand?
- How do weak interactions work and why are they so special?
- What is the mass of objects at the subatomic level and how does the Higgs boson intervene?
- How does one search for new phenomena beyond the known ones?
- What can one learn from particle physics concerning astrophysics and the Universe as a whole?

The course is structured in eight modules. Following the first one which introduces our subject, the modules 2 (nuclear physics) and 3 (accelerators and detectors) are rather self contained and can be studied separately. The modules 4 to 6 go into more depth about matter and forces as described by the standard model of particle physics. Module 7 deals with our ways to search for new phenomena. And the last module introduces you to two mysterious components of the Universe, namely Dark Matter and Dark Energy.

[SHOW LESS](#)

Offered by



100% online
Start instantly and learn at your own schedule.

Flexible deadlines
Reset deadlines in accordance to your schedule.

English
Subtitles: English

If the course looks useful or interesting, click on “Enroll for free” and select the content you would like to access. For example, your professor might have suggested that you review “Particle Physics: An Introduction,” by the University of Geneva, and study the material in Week two, section 2.4.

Particle Physics: an Introduction
University of Geneva

Overview

- Week 1
- Week 2
- Week 3
- Week 4
- Week 5
- Week 6
- Week 7

- ▶ **Video:** 2.3a QCD and nuclear force (optional) 2 min
- 📖 **Practice Quiz:** 2.3 Models of nuclear structure 3 questions

2.4 Radioactivity: alpha decay

- ▶ **Video:** 2.4 Radioactivity: alpha decay 9 min
- ▶ **Video:** 2.4a Energy of alpha particles (optional) 1 min
- 📖 **Reading:** 2.4 Radioactivity: alpha decay 10 min
- 📖 **Practice Quiz:** 2.4 Radioactivity: alpha decay 3 questions

You would then have two videos, a reading, and a practice quiz to review for your course.

Each Coursera course includes a discussion forum where you can post general questions, ask for guidance, or just share something they've learned or perhaps something that would be beneficial to other learners.

The screenshot shows the Coursera interface for the course 'Particle Physics: an Introduction' at the University of Geneva. The left sidebar contains navigation links: Overview, Grades, Notes, Discussion Forums (highlighted), Messages, Resources, and Course Info. The main content area displays a list of discussion topics:

Topic	Views	Replies	Status
Higgs Boson	73	4	Mentor Replied (Last post by hassan abdou · 19 days ago)
Can particals apart from atoms and molecules react each other?	42	6	Mentor Replied (Last post by hassan abdou · a month ago)
Why is it clear that virtual particles cannot propagate in space and time?	42	3	Mentor Replied (Last post by hassan abdou · a month ago)
Quiz Overdue	32	1	Mentor Replied (Last post by hassan abdou · 2 months ago)
Schrodinger equation is not Covariant?	41	1	Mentor Replied (Last post by hassan abdou · 2 months ago)
Notes required	43	1	Mentor Replied (Last post by hassan abdou · 2 months ago)

Note: While you're welcome to participate in discussion forums on Coursera, your professor might direct you to have DKU class-specific discussions in the Forums on Sakai.

The screenshot shows the Duke University Global Health Institute course interface. The top navigation bar includes the Duke logo, 'GLOBAL HEALTH INSTITUTE', and the course ID 'GLHLTH.777.01D.Sp20'. A left sidebar lists navigation options: Resources, Assignments, Gradebook, Statistics, Site Info, Polls, Tests & Quizzes, Forums (highlighted), Zoom Meetings, and Help. The main content area displays two forum posts. The first post is titled 'Think about the research question(s) you mentioned last week about an interesting infectious disease of outbreak potential. Let's start looking for some answers on Pubmed!' and includes a 'View Dates' link. The second post is titled 'Discussion 13: As a public health official charged with reducing cases of congenital syphilis in an LMIC, what would be your top priority program intervention, and why?' and includes 'View Full Description' and 'View Dates' links.

GLOBAL HEALTH INSTITUTE GLHLTH.777.01D.Sp20

Resources

Assignments

Gradebook

Statistics

Site Info

Polls

Tests & Quizzes

Forums

Zoom Meetings

Help

Think about the research question(s) you mentioned last week about an interesting infectious disease of outbreak potential. Let's start looking for some answers on Pubmed! 0 unread of 0 messages [Topic Settings](#) | [More](#)

Think about the research question(s) you mentioned last week about an interesting infectious disease of outbreak potential. Let's start looking for some answers on Pubmed!

[View Full Description](#)

[View Dates](#)

Discussion 13: As a public health official charged with reducing cases of congenital syphilis in an LMIC, what would be your top priority program intervention, and why? 0 unread of 0 messages [Topic Settings](#) | [More](#)

As a public health official charged with reducing cases of congenital syphilis in an LMIC, what would be your top priority program intervention, and why? (4-4 sentences max)

[View Full Description](#)

[View Dates](#)