

List of MOOC Courses

SI No	Course name	Institution	Start date	End date	Exam date	Credit point	Link to the course
1	Fundamentals of spectroscopy	NCL Pune, IISER Pune	19 Jan 2026	10 April 2026	17 April 2026	3	https://onlinecourses.nptel.ac.in/noc21_cy09/preview
2	Experimental Biochemistry	IIT Kharagpur	19 Jan 2026	10 April 2026	25 April 2026	3	https://share.google/a3tg4dWcuzMPjs37r
3	Basic thermodynamics : Classical and statistical approaches	IISER Pune	19 Jan 2026	10 April 2026	17 April 2026	3	https://nptel.ac.in/courses/104106107
4	Physical Chemistry for undergraduates	IIT Guwahati	19 Jan 2026	10 April 2026	24 April 2026	3	https://onlinecourses.nptel.ac.in/noc26_cy02/preview
5	Elementary Electrochemistry	IISER Mohali	19 Jan 2026	13 March 2026	28 March 2026	2	https://share.google/r52WL6CIsFu7Qkgs5
6	Biochemistry	IIT Madras	19 Jan 2026	10 April 2026	17 April 2026	3	https://share.google/elucpRohKRZO8SiwF
7	Atomic and Molecular Physics	IIT Kharagpur	19 Jan 2026	10 April 2026	25 April 2026	3	https://share.google/GgBNFy9P9A5iuwH6y
8.	Molecular Spectroscopy	Banaras Hindu University	26 Jan 2026	30 Apr 2026	-	3	

9.	Advanced Chemical Thermodynamics and Kinetics	IISER Mohali	19 Jan 2026	10 Apr 2026	17 Apr 2026	3	
10.	Advance Analytical Techniques	Aligarh Muslim University	26 Jan 2026	30 Apr 2026		3	https://onlinecourses.swayam2.ac.in/ini26_cy02/preview
11.	Biochemistry	IIT Kharagpur	19 Jan 2026	10 Apr 2026	25 Apr 2026	3	https://onlinecourses.nptel.ac.in/noc26_cy24/preview
12.	Industrial Inorganic Chemistry	IIT Kharagpur	19 Jan 2026	10 Apr 2026	25 Apr 2026	3	https://onlinecourses.nptel.ac.in/noc26_cy23/preview
13.	Elementary Electrochemistry	IISER Mohali	19 Jan 2026	13 Mar 2026	28 Mar 2026	2	https://onlinecourses.nptel.ac.in/noc26_cy32/preview
14.	Co-Ordination Chemistry (Chemistry Of Transition Elements)	IIT Kharagpur	19 Jan 2026	10 Apr 2026	25 Apr 2026	3	https://onlinecourses.nptel.ac.in/noc26_cy21/preview

15. Physical Chemistry for Undergraduates

Covers: Quantum basics, thermodynamics, gas laws, solutions, equilibrium, kinetics, electrochemistry.

Start: **19 Jan 2026 – 10 Apr 2026.**

Certificate exam (optional, extra fee).

Beginner to mid-level physical chemistry for science/engineering majors.

https://onlinecourses.nptel.ac.in/noc26_cy02/preview

16. Chemistry of Main Group Elements

Covers: s- and p-block chemistry, bonding, periodic trends, reactivity, and applications.

Start: **19 Jan 2026 – 10 Apr 2026.**

Good for building foundational inorganic chemistry understanding.

<https://nptel.ac.in/courses/104101090>

17. Organic & Specialized Chemistry

- **Introductory Organic Chemistry I**

Great for 1st-year B.Sc. Chemistry students.

Covers fundamentals: bonding, stereochemistry, reactivity, major functional groups.

Certificate available after assignments and remote exam.

<https://nptel.ac.in/courses/104106119>

- **Medicinal Chemistry**

Designed for senior undergraduate students interested in drug discovery.

Focuses on drug targets, enzyme inhibition, ligand interactions, and design concepts.

https://elearn.nptel.ac.in/shop/nptel/medicinal-chemistry/?utm_source=chatgpt.com&v=13b5bfe96f3e

- **Bioinorganic Chemistry**

Interdisciplinary course linking inorganic chemistry with biological systems (metals in biology).

Suitable for senior UGs with a background in coordination chemistry.

https://elearn.nptel.ac.in/shop/nptel/bioinorganic-chemistry/?utm_source=chatgpt.com&v=13b5bfe96f3e

18. Advanced Chemical Thermodynamics and Kinetics

This course will cover classical/ macroscopic and statistical thermodynamics and kinetics developed to explain a variety of physico-chemical phenomena with applications in Chemistry.

BSc/BS/ Int-MSc (BS-MS) - 3rd year BE/BTech/ Int-MTech - 2nd year
MSc/Int-PhD - 1st/2nd year PhD – 1st year

Basic Thermodynamics and Kinetics course is preferred but not absolutely necessary.

Introduction to Chemical Thermodynamics and Kinetics

Start Date :	19 Jan 2026
End Date :	10 Apr 2026
Enrollment Ends :	26 Jan 2026
Exam Registration Ends :	13 Feb 2026
Exam Date :	17 Apr 2026 IST

https://onlinecourses.nptel.ac.in/noc26_cy30/preview