Department of Physics

Date: 24/06/2019

To,

The Principal,

Vivekanand College, Kolhapur

Subject: '**SWAYAM'** Course Registration (Online).

Respected sir,

The list enclosed from M.Sc.II (Physics) students are interested to register the **'SWAYAM course in Solid State Physics'**. Kindly give us permission to register them.

Thanking you,

Yours faithfully,

(Dr.M.M.Karanjkar)
Head of the
Department of Physics
Vivekanand College, Kolhapur.

24/6/19

"Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College (Autonomous), Kolhapur.
Department of Physics
MSc II (2019-2020)

Roll No.	Name Of Student	Sign
1601	Mr. Bote Sushant Suresh	
1602	Miss. Deshmukhe Aishwarya Dayanand	
1603	Mr. Deshmukh Mahesh Bhauso	
1604	Mr. Jadhav Amit Ashok	
1605	Mr. Jadhav Shivprasad Krishnarao	
1606	Miss. Kadam Ketaki Vasnat	
1608	Miss Kamble Susmita Chandar	
1609	Miss Mandavkar Ruchita Rajendra	
1610	Miss Nirmale Pooja Ashok	
1611	Mr. Patil Ashutosh Madukar	
1612	Miss Patil Asmita Anandrao	
1613	Miss Patil Manisha Nanaso	
1614	Mr. Patil Pranit Mohanrao	
1615	Miss Patil Swati Dinkar	
1616	Miss Patole Anuradha L.	
1617	Miss Phadatare Dhanashri Rajesh	
1618	Mr. Sherala Dinesh Naresh	
1619	Miss Shinde Amruta Anandrao	
1620	Mr. Tamboli Asif Jahangir	
1621	Miss Tamke Vaishanavi Namdeo	

Head of the
Department of Physics
Vivekanand College, Kolhapur

डॉ. एन. गोपुकुमार
संयुक्त सचिव
Dr. N. Gopukumar
Joint Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारतसरकार)
(Ministry of Human Resource Development , Govt. of India)
पश्चिम क्षेत्रीय कार्यालय गणेशखिंड,पुणे- ४११००७
Western Regional Office, Ganeshkhind, Pune – 411007
Ph: 020 – 25696896, 25691477 (Fax)
Email: wrougc@gmail.com

By Email

No.F.3-1/2018(WRO/SWAYAM)

June 14, 2019

Dear UGC SWAYAM Mentors,

Greetings from UGC Western Regional Office !

In continuation of my earlier letter dated 3rd April, 2019 (copy enclosed), this is to inform you that the list of UGC 43 Post Graduate Non-Technology MOOCs courses to be offered in July Semester 2019 may be seen at SWAYAM website at the following link -

https://swayam.gov.in/explorer?ncCode=UGC

Enrolment for these MOOCs course are already open. You are requested to encourage more and more students to enroll in these courses. Last date for enrolment is 31.08.2019.

Once again, we would like to appreciate your efforts for popularising SWAYAM courses among students & faculty in your respective Universities/Colleges

With regards,

Yours sincerely,

(N. Gopukumar)
Joint Secretary

14/6/19

Encl: As above.

डॉ. एन. गोपुकुमार
संयुक्त सचिव
Dr. N. Gopukumar
Joint Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारतसरकार)
(Ministry of Human Resource Development , Govt. of India)
पश्चिम क्षेत्रीय कार्यालय गणेशखिंड,पुणे- ४११००७
Western Regional Office, Ganeshkhind, Pune – 411007
Ph: 020 – 25696896, 25691477 (Fax)
Email: wrougc@gmail.com

No.F.3-1/2018(WRO/SWAYAM) April 3, 2019

Dear UGC SWAYAM Mentors,

Greetings from UGC!

We would like to appreciate your efforts for popularising SWAYAM courses among Students & Faculty in your respective Universities/Colleges

Currently 58 UGC PG MOOCs courses are being offered on the SWAYAM Portal for which final examination have been scheduled for 22nd -23rd May, 2019 (the schedule of the examination is enclosed)

As UGC SWAYAM Mentors, you are requested to undertake the following -

1. Monitor the progress of students who have registered on SWAYAM Platform from your Universities/Colleges
2. Ensure timely submission of assignments by the Students
3. Ensure students registration for examination for 22nd & 23rd May, 2019 *once the SWAYAM Portal is open for exam registration.*
4. ***Create awareness about the 44 UGC MOOCs Courses to be offered in July,2019 Semester (list enclosed). This may be done through the Social Media:-***

- Spreading awareness by displaying the list of UGC PG MOOCs Courses at prominent places i.e. University/college eg. Notice Board, Canteen, Mess, Hostel, Main gate of University/college
- Creating a Facebook/twitter/ Instagram Page of your university for SWAYAM Courses
- Providing the link of Facebook/twitter/ Instagram Page on your university notice board and other prominent places so that it reaches to students along with UGC official twitter account @ugc_india and MHRD official twitter account @HRDMinistry
- Sharing the SWAYAM Courses details on these Social networking pages by tagging along with UGC official twitter account : @ugc_india and MHRD official twitter account: @HRDMinistry
- Sending Press releases to your local news papers regarding the SWAYAM Courses

Kindly inform UGC of the initiatives taken by you in this regard at econtent.ugc@gmail.com Further kindly also find the enclosed documents with reference to SWAYAM -

1. Additional Secretary, UGC presentation on SWAYAM MOOCs and procedures involved in adoption of MOOCs course by University (enclosed)
2. UGC MOOCs brochure for SWAYAM Coordinators (enclosed)
3. MHRD Guidelines for Developing Online Courses for SWAYAM (hyperlink embedded, please click to the link)
4. UGC credit Framework Regulations 2016 (hyperlink embedded, please click to the link)
5. The soft copy of the poster, radio jingles & TVCs (in 10 Indian languages) may be viewed at - https://ugcmoocs.inflibnet.ac.in/video_gallery.php

With regards,

Yours sincerely,

(N Gopukumar) 3/4/19
Joint Secretary

Encl. As above

Solid State Physics

Prof. Amal Kumar Das | IIT Kharagpur

In universe, matter is observable in everyday life in four states: solid, liquid, gas and plasma. There are other states of mater known to exist only under extreme situations. Matter, whatever the states, is made of atoms. The states are defined in terms of interatomic distance, atomic arrangement and atomic ionization in matter. In solid state of matter, the arrangement of atoms forms different structure of materials. The structure of materials is the key deciding factor for different kind of properties, such as thermal, electrical, optical, magnetic, dielectric etc. In this course we will learn the structure of solid materials and their different physical properties along with underlying physics.

INTENDED AUDIENCE : B.Sc in Physics, Chemistry, Electronics ,B.E and B.Tech in Material Science,Metallurgy, Cryogenics, Electronics

PRE-REQUISITES : Nil

INDUSTRY SUPPORT : Solid state physics has the most striking impact on the solid state electronics. The industries of electronics, telecommunication and instrumentation will recognize this course.

Prof Amal Kumar Das

JOIN (/update_profile_and_register?user_email=&raw_slug=/noc19_ph14&node_code=nd1)

SUMMARY

Course Status : Upcoming
Course Type : Core
Duration : 12 weeks
Start Date : 29 Jul 2019
End Date : 18 Oct 2019
Exam Date : 17 Nov 2019
Category : Maths and Sciences
Level : Undergraduate

COURSE LAYOUT

Week 1: Atom to solid structure
Week 2: Crystal symmetry, unit cells and crystal planes
Week 3: Real space and reciprocal space of crystals
Week 4: X-ray diffraction and determination of crystal structures
Week 5: Thermal Properties of Solids
Week 6: Free electron theory of solids
Week 7: Band structure of solids
Week 8: Semiconducting property of solids
Week 9: Superconductivity
Week 10: Diamagnetism and paramagnetism
Week 11: Ferromagnetism and antiferromagnetism
Week 12: Dielectrics and Ferroelectrics

BOOKS AND REFERENCES

1. Elementary Solid State Physics – A short Course by Charles Kittel.
2. Introduction to Solid State Physics by Charles Kittel.
3. Solid State Physics by A. J. Dekker.
4. Elements of X-ray Diffraction By B. D. Cullity

INSTRUCTOR BIO

Prof. Amal Kumar Das

After completion of B.Sc (Hons) from n Physics and M. Sc in Physics with specialization in solid state physics in 1994, I did Ph.D on experimental sc material science from Institute of Physics, Bhubaneswar. After completing post doctoral research on magnetic properties of solids from Paul Drude Institute, Berlin, Germany, I joined as a Faculty in Department of Physics, Indian Institute of Technology Kharagpur. I taught several courses to UG and PG students including popular courses, namely solid state physics and semiconductor devices. Prior to join IIT KGP, I taught solid state physics for several years to B. Sc students in an undergraduate college (Malda College under North Bengal University), West Bengal

COURSE CERTIFICATE

- The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
- The exam is optional for a fee of Rs **1000**/- (Rupees one thousand only).
- **Date and Time of Exams: 17 November 2019,** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
- Registration url: Announcements will be made when the registration form is open for registrations.
- The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
- Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

- Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course.
- Exam score = 75% of the proctored certification exam score out of 100
- Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE >=10/25 AND EXAM SCORE >= 30/75.

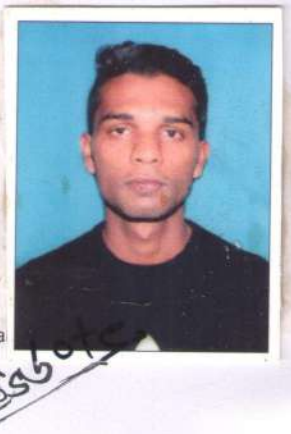
- If one of the 2 criteria is not met, you will not get the certificate even if the Final score >= 40/100.
- Certificate will have your name, photograph and the score in the final exam with the breakup.It will have the logos of NPTEL and IIT Kharagpur . It will be e-verifiable at nptel.ac.in/noc (http://nptel.ac.in/noc).
- Only the e-certificate will be made available. Hard copies are being discontinued from July 2019 semester and will not be dispatched

MHRD swayam

DOWNLOAD APP

GET IT ON Google Play (https://play.google.com/store/apps/details?id=in.gov.swayam.app)

FOLLOW US



X

(https://swayam.gov.in) (https://swayam.gov.in/nc_deta

sushantbote2015@gmail.com

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.
- Please do the assignments yourself and even if you take help, kindly try to learn from it. These assignment will help you prepare for the final exams. Plagiarism and violating the Honor code will be taken very seriously if detected during the submission of assignments.

Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

deshmukhmahesh713@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.

Thank you for registering for the course. Click the Announcements tab for important information.
X

(https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

aishwaryadeshmukhe930@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.

Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

pamit3124@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor).

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.

X

(https://swayam.gov.in) (https://swayam.gov.in/nc_details/

shivajadhav100sj@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.

Thank you for registering for the course. Click the Announcements tab for important information.
X

(https://swayam.gov.in) (https://swayam.gov.in/nc_details/

ketakikadam166@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

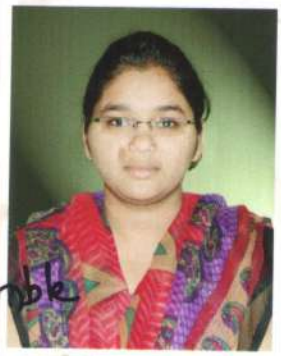
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nc_detai

susmitakamble2311@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

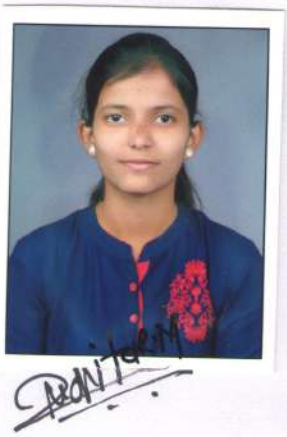
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information.
X

(https://swayam.gov.in) (https://swayam.gov.in/nc_det

ruchitam10198@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

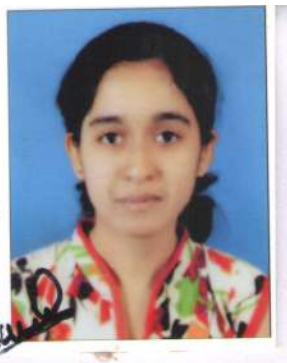
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nd1_noc19_ph14/preview)

poojanirmale310@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

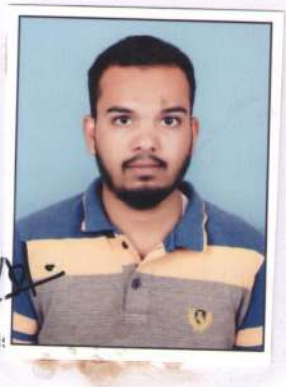
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nc_detail

ashutosh.patil3997@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

ogress (student/home) Mentor (student/mentor)

There are new announcements since your last visit. Please have a look.

Course outline

How to access the portal

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.

Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/

asmitapatil113@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

ogress (student/home) Mentor (student/mentor)

There are new announcements since your last visit. Please have a look.

Course outline

How to access the portal

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

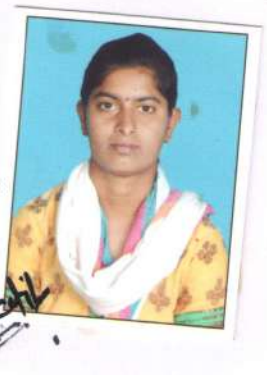
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important informa
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/)

mp3465691@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

ɔgress (student/home) Mentor (student/mentor)

There are new announcements since your last visit. Please have a look.

Course outline

How to access the portal

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

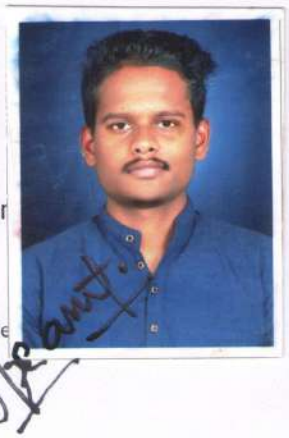
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview
(https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nd1_de

pranitpatil5312@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

There are new announcements since your last visit. Please have a look.

Course outline

How to access the portal

Solid State Physics : REGISTER TODAY - CERTIFICATION EXAM FORM IS NOW OPEN!

2019-06-25

Dear Learner,

Here is the much-awaited announcement on registering for the **Nov 2019 NPTEL online** certification exam.

1. The registration for the certification exam is open only to those learners who have enrolled in the course.

2. If you want to register for the exam for this course, **login here using the same email id which you had used to enroll to the course in Swayam portal**.

3. Till the start date of the course, **every Monday and Thursday at 5:00 PM,** we will sync the enrollment data on the exam form. If you enroll in between, **please wait till the nearest Tuesday/Friday 10:00 AM to register for the exam**. Once the enrollment is closed, the enrollment data will be completely loaded and you can register any time.

4. **Date of exam: Nov 17, 2019**

- Certification exam registration URL is: **http://nptelonlinecourses.iitm.ac.in/** (http://nptelonlinecourses.iitm.ac.in/)
- Choose an exam session: **Forenoon: 9.00 AM -12.00 PM; Afternoon: 2.00PM - 5.00 PM**
- Choose from the Cities where exam will be conducted: **list of exam cities** (https://docs.google.com/spreadsheets/d/e/2PACX-1vSSqXCGhymdhjGe_KT8Ld-FSUMw_Vq2TtkMQJ3-

Thank you for registering for the course. Click the Announcements tab for important informati
X

(https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

swatidpatil5241@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

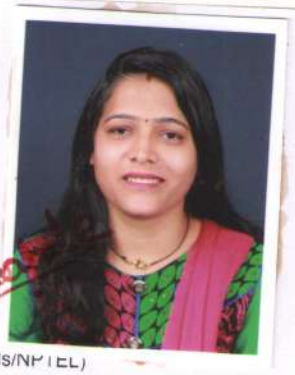
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview
(https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

anuradhaayarekar@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

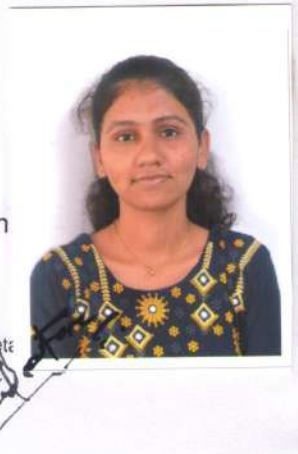
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information
X

(https://swayam.gov.in) (https://swayam.gov.in/nc_det

dhanashrip511@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.

X

(https://swayam.gov.in) (https://swayam.gov.in/nc_details/I

dineshsherala@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

There are new announcements since your last visit. Please have a look.

Course outline

How to access the portal

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

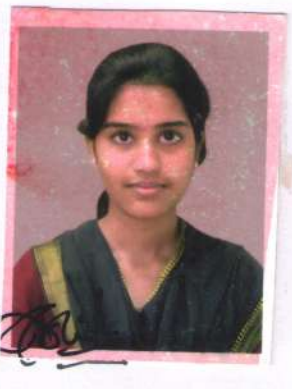
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nc_detail

aishwaryadeshmukhe11@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.

Thank you for registering for the course. Click the Announcements tab for important information.
X

(https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

asif.tamboli7980@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Course outline

How to access the portal

There are new announcements since your last visit. Please have a look.

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

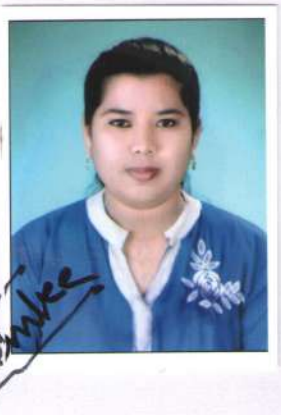
Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.



Thank you for registering for the course. Click the Announcements tab for important information.
X

swayam (https://swayam.gov.in) (https://swayam.gov.in/nc_details/

tamkevaishnavi68@gmail.com

NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Solid State Physics (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc19_ph14/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

There are new announcements since your last visit. Please have a look.

Course outline

How to access the portal

Welcome to SWAYAM-NPTEL Online Course - Solid state physics

2019-05-21

Dear Student

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Solid state physics**". We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Solid state physics
Course url: https://swayam.gov.in/nd1_noc19_ph14/preview (https://swayam.gov.in/nd1_noc19_ph14/preview)
Course duration :12 weeks

The course will begin on **29th July 2019**. When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

- Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.