



KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE – 638 107

Department of Physics



KONGU ARTS AND SCIENCE COLLEGE
(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Nanjanapuram, Erode – 638 107.



DEPARTMENT OF PHYSICS


BOARD OF STUDIES MEETING

AGENDA

DATE: 24.02.2018

1. To consider and approve the syllabi for the students admitted during the academic year 2016-2017, 2017-2018 and 2018-2019 onwards.
2. To consider and approve the Syllabi for Non Major Electives for III and IV Semesters for UG students admitted during the year 2017-18 and onwards
3. To consider and approve the Panel of Examiners.
4. To consider and discuss any other subjects with the permission of the chair.




Dr. N. RAMAN
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KONGU ARTS AND SCIENCE COLLEGE (Autonomous)

Affiliated to Bharathiar University, Coimbatore
Approved by UGC, AICTE, New Delhi & Re accredited by NAAC
(AN ISO 9001: 2015 Certified Institution)
Nanjanapuram, Erode – 638 107



The meeting of the Board of Studies in **PHYSICS**

UG/PG was conducted on 24.02.2018 at 10.15 a.m.in the College Campus.

The following members were present:

Chairman : Ms. K. Maithilee

Members :

1. Dr. P. Meena - Subject Expert
Head & Associate Professor
PSGR Krishnammal College for Women (Autonomous)
Coimbatore
2. Mr. A. Kalaimani - Industry Nominee
Thilagavathi Institute of Electronics
Erode
3. Ms. R. Chitra - Member




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Subject related to CBCS, Outcome based Syllabus, Advanced Learners Course, Extra credits and Non Major Electives were discussed and the following are the resolutions:

1. It is resolved to approve the Scheme of Examination and new Syllabi of III & IV Semesters for the B.Sc., Physics students admitted during the year 2017– 2018 and onwards. **(Annexure a & b)**
2. There is no change in the Syllabi of I and II Semesters for the B.Sc., Physics students admitted during the year 2018 – 2019 and onwards.
3. There is no change in the Syllabi of V and VI Semesters for the B.Sc., Physics students admitted during the year 2016 – 2017 and onwards.
4. It is resolved to approve the Syllabi and Extra Credits for the Advanced Learners for the IV Semester for UG students who have been admitted during the academic year 2017 – 2018 and onwards.
5. It is resolved to approve the Syllabi for Non Major Electives for III and IV Semesters for UG students admitted during the year 2017-18 and onwards. **(Annexure a & b)**
6. It is resolved to approve the Question Paper Pattern for Non Major Elective course for the students admitted during the year 2017-18 and onwards. **(Annexure –I)**
7. It is resolved to approve the additional name for Panel of Members for Question Paper Setting and Central Valuation. **(Annexure –II)**




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Details of modifications in the Courses offered under the Programme


B. Sc Physics

The following modifications are adopted in the curriculum and syllabi of III and IV Semesters for the B.Sc., Physics students admitted during the year 2017 - 2018 and onwards based on the feedback obtained from Stakeholders and recommendations of the BOS Panel Members.

- Non-Major Elective Courses (NME I: Introduction to Electricity and Electronics and NME II: Electrical and Electronic Appliances) are being introduced newly in the III and IV Semesters for the UG students. **(Annexure b)**
- The Course name “Optics and spectroscopy” has been revised as “Optics”. Instead of Spectroscopy content, Geometrical Optics content has been incorporated and approved by the board. **(Annexure b)**

Topic wise modifications in the courses are given in the **annexure b**




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Details of modifications with specific topics in the Syllabus with % of revision

B. Sc Physics

S.No	Course Name	Course Code	Topics introduced	Topics removed	% of Revision
1	Electricity and Magnetism	17UAOCT301	<p>Unit II: Antiferromagnetism and ferrimagnetism – Electron Theory of Magnetism Maxwell's Equations and EM waves: Maxwell's equations – Displacement current – Maxwell's equations in material media – Plane Electromagnetic waves in free space.</p> <p>Unit III: Boys Radio-micrometer – Thermo-electric Pyrometer – Thermopile</p>	<p>Unit V: Self inductance of coaxial cylinder</p>	15%
2	NME I: Introduction to Electricity and Electronics	17UAONT304	All the 5 units are introduced		100%
3	Optics (Course Name has been revised as Optics from previous name "Optics and spectroscopy")	17UAOCT401	<p>Unit I: Lens : Properties of light: Laws of Reflection and Laws of Refraction – Fermat's Principle of least time - Lens Equation (Thin Lens) – Deviation by a thin lens - Equivalent focal length of two thin lenses – Cardinal Points – Principal points and Principal planes – Focal points and Focal planes – Nodal points and Nodal planes – Construction of the image using Cardinal points – Newton's Formula – Relationship between f_1 and f_2 – Relationship between f_1, f_2 and μ_1, μ_2 – Gaussian Formula.</p>	<p>Unit V (Spectroscopy)</p>	20%
4	NME II: Electrical and Electronic Appliances	17UAONT405	All the 5 units are introduced		100%

- In overall, there had been a 6% of revision in the syllabus of the B. Sc. Physics program.



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All the above resolutions are approved.

1. *[Signature]* 24/2/18

2. *[Signature]* 24/2/18

3. *[Signature]* 24/2/18

4. *[Signature]* 24/2/18

5.

6.

7.



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