

AAI urgent



GOVERNMENT OF KERALA

06/09/21
15
YEARS OF
CELEBRATING
THE PLANET
000001500

Higher Education (B) Department
06/09/2021, Thiruvananthapuram

No B3/159/2021-HEDN

From
Additional Chief Secretary to Government

To
The Registrar,
Kerala / Mahatma Gandhi / Calicut / Kannur /
Thunchathethhuthachan Malayalam / SSUS / CUSAT

Sir,

Sub: HEDN - New courses in Government and Aided colleges - AY 2021-22 -
Reg.

Hon Minister for Finance, in his Budget speech 2021, has announced sanctioning new courses with a view to increase the intake of students in colleges.

2. Based on the Expert Committee's recommendations and an analysis of existing courses and complementary subjects, a suggested list of PG and UG courses has been prepared and is sent herewith.

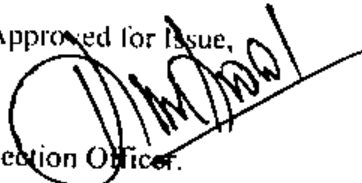
3. Universities are directed to call for applications from accredited Aided and Govt Colleges and unaccredited Aided colleges started by ST trusts for new courses, as suggested below:

- i. Each college can apply for 2 of the listed courses, in order of priority. As these courses are suggestive, any other course recommended by the University may also be included.
- ii. The 4 year and 5 year programmes may be commenced in colleges with facilities and have a NAAC score of 3.26 or higher or NIRF 2020 ranking under 100.
- iii. NAAC score and NIRF ranking are not insisted in colleges which in the opinion of the University have the necessary infrastructure to start 4 year and 5 year programmes.

- iv. Proposals of colleges of SC Community Trusts can also be recommended, even if unaccredited.
- v. Colleges while applying, should indicate:
- The year of establishment, number of Departments, number of regular faculty positions, number of existing UG and PG courses.
 - Latest NAAC score and NIRF Ranking
 - Justification for the courses applied for
 - Whether the course exists in the Colleges in the adjacent districts
 - Courses sanctioned by Government in the College in the last 4 years
 - The number of faculty positions required to be created for each course newly applied for
4. Universities should forward the applications with their recommendations, so as to reach Government by 22nd of September 2021.

Yours Faithfully,
Vijayakumar.r
Additional Secretary
For Additional Chief Secretary to Government.

Approved for Issue,


Section Officer.

Copy to

- Director of Collegiate Education
- Director of Technical Education
- PS to Minister for Higher Education

Masters Program in Sciences

Course Name	With Specialization in
M.Sc. Chemistry	1. Stereochemistry, Drug Chemistry, Physical Pharmacy, Heterocyclic Chemistry, Drug Development, Drug Design. or 2. Nanomaterials, Corrosion Science, Analytical Chemistry, Liquid Chromatography, Spectrometry. or 3. Mathematical Methods and Statistical Physics, Thermodynamics and Chemistry of Metals, Surface Phenomena and Electrochemistry.
M.Sc. Biology	1. Genetics, Biomechanics, Biomedicine, Genomics, Green Biology or 2. Molecular Biology, Computational Mathematics, Information Technology, Statistics, Bioinformatics. or 3. Life Sciences, Bio Mathematics & Statistics, Bio-Physics, Computational Proteomics & Metabolomics, Computational Transcriptomics, Advanced Programming Tools, Computer Aided Drug Design.
M.Sc. Electronics	1. Principles of Electronics, Techniques of Electronics in Instrumentation. or 2. Robotics, Fiber Optic Instrumentation, Advanced Sensors, Biomedical Engineering.

	<p>or</p> <p>3. Semiconductor electronics, DSP, IC Technology, Digital & Analog Electronics, Material Science.</p>
M.Sc. Geology	<p>1. Physical Geology and Geomorphology, Crystallography and Mineralogy, Structural Geology and Engineering Geology.</p> <p>or</p> <p>2. Remote Sensing and GIS: Aerial Photogrammetry and Photography, Cartography & Global Positioning System, Geographical Information System.</p>
M.Sc. Mathematics	<p>1. Mathematical Methods used in Science, Engineering, Business and Industry.</p> <p>or</p> <p>2. Multivariate Calculus and Mathematical Analysis, Modelling & Simulation, Financial Risk management.</p> <p>or</p> <p>3. Data Science / Machine Learning / Artificial Intelligence</p>
M.Sc. Physics	<p>1. Planetary Systems, Solar and Stellar Physics, Observational Techniques, Dynamics of Space bodies.</p> <p>or</p> <p>2. Applied Mathematics, Positional Astronomy, Space Physics, Plasma Physics, and Quantum Mechanics.</p> <p>or</p> <p>3. Mathematical & Computational Sciences, Biosciences, Quantum Concepts of Nanostructures, Nano science & Molecular Structure.</p>
M.Sc. Zoology	<p>1. Structure, Physiology, Development and Classification of Animals.</p>

	<p>or</p> <p>2. Insect Morphology, Insect Ecology, Insect Pathology, Storage Entomology, General Acarology, Commercial Entomology.</p>
M.Sc. Statistics	<p>1. Applied Algorithms, Statistical Techniques in Data Mining, Analysis of Multi-type & Big Data, Statistical Modeling, Non-parametric Statistics.</p> <p>or</p> <p>2. Descriptive Statistics, Statistical Genetics, Survival Analysis, Epidemiology.</p>

PG COURSES IN HUMANITIES AND SOCIAL SCIENCE

1. M.A. Behavioral Economics and Data Science
2. M.A. Alternative Economics
3. M.A. Gender and Sexuality Studies
4. M.A. Investment Analysis
5. M.A. Business Economics
6. M.A. Environmental Engineering
7. MA Historiography
8. MA International Politics and Diplomatic Relations
9. MA Human Rights and Social Justice
10. MA World History
11. MA Development Studies
12. MA Political Philosophy
13. MA Community Development
14. MA Comparative Politics
15. MA Global Governance and Sustainable Development
16. MA Geriatrics
17. MA Government and Politics
18. MA Econometrics and Statistics

B.A/B.Sc. Courses Offered

1. B.A (Hons.) Economics and History
2. B.A French – Philosophy (FR-PHIL)
3. B.A Public Policy
4. B.A Psychology and Behavioural Science
5. B.A Acting
6. B.A (Hons.) History and IR
7. B.A Visual Arts and Photography
8. B.A (Hons.) in Insurance and Banking
9. B.A Economics-Entrepreneurship (ECO-ENT)
10. B.A Psychology, Sociology, English
11. B.A (Hons.) Politics, Philosophy and Economics
12. B.A History – Political Science (HS-PS)
13. B.A Theatre Studies, English, Psychology
14. B.A (Hons.) in Business Economics
15. B.A Psychology – Sociology (PSY-SY)
16. B.A HR Management
17. B.A Communication and Media, English and Psychology
18. B.A (Hons.) in IR
19. B.A Materials Management
20. B.A English, Political Science, Sociology
21. B.A (Hons.) Geography
22. B.A Elective English – History (EE-HS)
23. B.A Film Making
24. B.A Defence Studies
25. B.A Economics, Political Science and History
26. B.A (Hons.) Politics and Society
27. B.A. English Literature, Political Science and History
28. B.A Journalism, Psychology, English
29. B.A Economics-Mathematics (ECO-MT)
30. B.A Advertising Sales Management
31. B.A Film and Television Production
32. B.A Political Science – Sociology (PS-SY)
33. B.A (Hons.) in Applied Psychology
34. B.A Performing Arts, English, Psychology
35. B.A Marketing Management
36. B.A Psychology – Philosophy (PSY-PHIL)
37. B.A Economics, Tamil Literature and History
38. B.A Economics, History and Philosophy
39. B.A Human Rights and Social Justice
40. B.A Computer Application – Mathematics (CA-MT)
41. B.A English and Creative Writing
42. B.A English and Media Studies
43. B.Sc. Econometrics and Data Management
44. B.Sc. Graphic Designing
45. B.Sc. Banking and Financial Market
46. B.Sc. Mathematics & Physics (Double Main)
47. B.Sc. Chemistry & Biochemistry (Double Main)

48. B.Sc. Mathematics & Chemistry (Double Main)
49. B.Sc. Botany & Computational (Double Main)
50. B.Sc. Zoology & Statistics (Double Main)