

PROSPECTUS

For

DOCTORAL COURSE PROGRAMME IN SCIENCE SUBJECTS 2022-23



**COLLEGE OF BASIC SCIENCE AND HUMANITIES
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DOCTORAL PROGRAMME – 2022-23

This bulletin presents an overview of the academic **guidelines** relating to the various **Doctoral Programmes** in the College of Basic Science & Humanities, Odisha University of Agriculture and Technology (OUAT), Bhubaneswar.

The authorities reserve the right to amend and alter the policies concerned with the academic system as deemed necessary in the interest of OUAT.

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PROSPECTUS FOR THE SESSION 2022-23

1. THE UNIVERSITY.

The Odisha University of Agriculture and Technology (OUAT) was established in the year 1962 in accordance with the provision of the Orissa Act 20 of 1961 and is a State Agriculture University. It has the triple function of teaching, research and extension.

The University offers education at the undergraduate and post graduate level in Agriculture, Veterinary Science & Animal Husbandry, Agricultural Engineering & Technology, Fishery Science, Community science, Forestry, Horticulture and Basic Sciences. Three Career Oriented Master's Programmes in Computer Science and Application, Bioinformatics and Agri-Business Management are offered by the Centre for Post Graduate Studies as self-financing courses. Research and Extension programme are carried out at the Regional Research and Technology Transfer Station (RRTTS) and/or sub stations/ Krishi Vigyan Kendra (KVK) located in different parts of Odisha.

2. THE COLLEGE OF BASIC SCIENCE & HUMANITIES.

The College of Basic Science & Humanities was established in 1964 as the third constituent College of OUAT, Bhubaneswar.

The college offers teaching at **Undergraduate (UG) and Postgraduate (PG) level**. At the UG level, facilities for Honours courses are available in 8 subjects namely, Physics, Chemistry, Mathematics, Botany, Zoology, Biotechnology, Microbiology and Computer Science. At the Post Graduate level, the college offers Master's degree programme in Physics, Chemistry, Botany, Zoology, Mathematics, Microbiology and Biotechnology. Further, it offers the Ph.D. programme in Physics, Chemistry, Mathematics, Botany, Zoology & Microbiology. The B. Sc. and M. Sc. Courses, offered are under the semester system. The Ph. D. Programme in Microbiology is under the Semester System. The Ph. D. Programme in other subjects have Pre Ph. D. Coursework of six months duration as per UGC regulation.

In addition to the above, the college offers supporting courses to the students of other constituent colleges of OUAT.

3. ELIGIBILITY FOR ADMISSION into Ph. D. Programme

Ph.D. Course	Minimum qualification
Physics	M. Sc. in Physics with 55% marks from any UGC Recognised University
Chemistry	M. Sc. in Chemistry with 55% marks from any UGC Recognised University
Mathematics	M. Sc. in Mathematics with 55% marks from any UGC Recognised University
Botany	M. Sc. in Botany with 55% marks from any UGC Recognised University
Zoology	M. Sc. in Zoology with 55% marks from any UGC Recognised University
Microbiology	M. Sc. in Microbiology from any UGC recognised University with a minimum mark of 65% or OGPA 6.5 in 10.0 point scale.

4. BREAK UP OF SEATS.

Degree	Discipline	Number of seats	
		State	Total
Ph. D.	Physics	02	02
Ph. D.	Chemistry	02	02
Ph. D.	Mathematics	02	02
Ph. D.	Botany	02	02
Ph. D.	Zoology	02	02
Ph. D.	Microbiology	02	02

5. PROCEDURE FOR GETTING PROSPECTUS AND APPLYING ONLINE.

5.1 Prospectus Download:

The prospectus may be downloaded from the university website at www.ouat.nic.in or <https://ouat-lokaseba-odisha.in/> from the **download section** "Doctoral Prospectus 2022-23 (Science Subjects)". The candidates are advised to read the prospectus carefully and act accordingly.

5.2 How to fill the Online Form:

i) Open the website, Login and open the online Application Form:

1. Open the website www.ouat.nic.in. Click the ADMISSION Tab in Menu Bar. Then click on “Student login for Online Application for Doctoral (Ph.D.) Course Programme in Basic Sciences – 2022 (College of Basic Science and Humanities)”. You will reach the log in page

Or

2. Open the website <https://ouat-lokaseba-odisha.in/> You will reach the log in page
3. Log in by providing your e-mail id, mobile number, OTP sent to the mobile Number/e-mail and the Captcha code.
4. After successful login, the “Apply Section” page will appear which contains the Apply buttons.
5. Click the “Doctoral Programme - 2022 (Science Subjects)”.
6. The “Form for admission into Doctoral Programme - 2022 (Science Subjects)” will appear with instructions to fill the form which you must read.
7. Now you will fill this online application form without leaving any * marked mandatory field

ii) Select Programme and Institute Type: First select Department from dropdown box. Then mention whether you have passed/appeared the qualifying examination from University/Institution recognized by UGC.

Fill Applicant Details and upload Photograph and Signature: Fill all the fields under Applicant Details. Please upload your recent passport size colour photograph (200px × 150 px; maximum file size 200 kb) and full signature (100px × 150 px; maximum file size 200kb) in jpg/jpeg format.

iii) Fill the Permanent and Present Address under the section Address Information: Fill/select address particulars.

iv) Fill Academic Profile: Under the section Academic Profile of the Applicant, Fill/Select carefully, Post Graduation degree particulars. Be particularly careful while filling the Total mark and Marks Scored. If grades awarded instead of marks, the candidate must enter correct total grade, grade secured and percentage of marks following the university conversion rule. Any wrong posting will cancel your candidature at any stage of admission process. If your post

graduation result is not declared yet, still you can apply leaving the mark box empty within the last date of application for admission i.e., 21.11.2022 (Midnight). Otherwise your candidature will be rejected. You can enter the post graduation marks/grade till 25.11.2022.

v) The candidate will submit a self declaration that he/she will produce all relevant documents in original at the time of admission, failing which admission will be denied.

vi) Check Declaration: Candidate must click on self-declaration. By clicking this, the candidate is accepting that all the information he/she has submitted are true, and he/she will be responsible for any false or misleading information. Any false information submitted may make the application liable for rejection.

vii) Submit Application form: Before submitting, the candidate can have a preview of the application and make correction if required. After submission of online application Form, an application number will be generated and sent to YOUR mobile number & e-mail.

viii) Make Payment: The **application fee of Rs. 1,500/-** (Rupees one thousand five hundred only) has to be paid besides bank charges as specified by the Bank depending upon the mode of payment selected through online payment gateway using internet Banking/Debit Card/Credit Card of any Bank.

Once you pay the fee, you will receive a message confirming the acceptance of application in mobile phone and e-mail. Fees, once paid, cannot be refunded under any circumstances. Without payment of application fee, the Application Form will be rejected.

If the online payment is failed, then the candidate must make the payment again. If the money has been deducted from the account in the previous attempt (in case of the failed transaction), that will be reverted to the source account within 8 working days.

ix) For subsequent Access: Registered mobile number and e-mail are always required to access your profile each time with OTP sent to mobile number and e-mail. You are advised to use your application number for subsequent access. You will need to access your profile for Editing the on line Application Form, to Download Admit card and to Download the Intimation cum Rank card.

5.3 Editing the online Application Form: Application is editable till the last date of submission of application. However, you can enter the final OGPA/ marks of the qualifying examination till 21.11.2022. For each instance of editing you have to access your profile by the method mentioned above.

5.4 Download of Admit Card: When the admit card is ready (28.11.2022 to 30.11.2022) an SMS/e-mail will be sent to your mobile. The Admit Card can be downloaded from the website (www.ouat.nic.in or <https://ouat-lokaseba-odisha.in/>) by accessing your profile by the method mentioned above. **The admit card will never be sent through post.** The candidate must bring the Admit card with **any of the following original** identity proof to the Entrance Examination Centre for verification.

1. Aadhar Card (with recent photograph)
2. Passport
3. Driving License
4. Voter ID Card
5. PAN Card

5.5. Intimation-cum-Rank Card Download: When Intimation is ready, an SMS will be sent to your mobile. You will download it by accessing your profile by the method mentioned above. **Intimation letter will never be sent through post. It will be available for download on 16.12.2022.**

5.6. Important Information.

1. Candidates must submit the application with application Fee within the last date of submission of application form i.e. 21.11.2022. Application without fee will not be considered for entrance examination and admission. The application will be editable till last date of submission of application.
2. After successful payment, the candidate should take printout of computer generated filled in Application Form with payment detail for his/her personal record
- 3 You must have your own personal e-mail ID and Mobile Number with validity till the completion of the Admission process, all important information on application number, various alerts and download of Admit card, rank and Intimation-cum-rank card and other necessary information will be sent to you only by SMS and email. Under no circumstances, you should share the password of your e-mail ID and Mobile/Cell Number with any other person. If you do not have a valid e-Mail ID, please create a new e-Mail ID. You will be

provided with a login ID and password to login on to the website www.ouat.nic.in/ <https://ouat-lokaseba-odisha.in/> for all future references. Your Admit Card, rank and intimation-cum-rank card can be accessed online by using the links provided in the website

www.ouat.nic.in / <httphttps://ouat-lokaseba-odisha.in/>.

No separate physical communication would be sent.

4. A candidate is required to **submit one application** for which he/she wishes to be considered for admission.
5. The data obtained from the candidate while applying online will be used for the purpose of generating Admit Card for Entrance Examination. Hence the applicants are advised to submit data accurately as required while applying online.
6. Hard copy of application must not be sent to OUAT.
7. The University will not be liable to refund the application fees deposited by the candidate.

6. SELECTION OF CANDIDATES

6.1 There shall be an admission Board for the Academic Session with Dean, Post Graduate Faculty-cum-Director Resident Instructions as Chairman and Director, College of Basic Science & Humanities as one of the members. Three faculty members from the College of Basic Science & Humanities as nominated by the Vice Chancellor shall be the members of the board. The admission board will scrutinize the application forms, prepare the merit list and will conduct the admission of the candidates.

6.2 Entrance Examination: The candidates have to appear in the entrance examination in the College of Basic Science and Humanities, O.U.A.T on **09.12.2022 at 11.00am to 1.00pm**. The examination will be of 2 hours duration and will carry 200 marks. The questions will be of **objective type with multiple choice** covering the course taught at Master's Level. **For every correctly answered question 2 marks will be awarded. For every un-attempted question 0 mark will be awarded.** All candidates fulfilling the minimum eligibility will download admit card and will appear in the entrance examination. No candidate shall be allowed to enter the examination hall without admit card and identity proof as mentioned in the section 5.4.

- 6.3** The selection for admission into different Doctoral Programme will be based on merit of the candidates. There will be separate Merit lists for each subject of Doctoral Programmes.
- 6.4** **Merit list of the candidates shall be drawn up on the basis of the total score in Entrance Examination. In case of a tie of entrance marks, it will be resolved by taking into account the percentage of marks secured in qualifying examination. If a candidate does not submit the qualifying examination marks, then the candidate will be placed at the lowest rank in the group of candidates having same entrance score.**

7. ADMISSION PROCEDURE

- 7.1 Admission into Ph.D. course will be conducted centrally by the Admission Board as per the programme finalized by the academic council.
- 7.2 The merit list of the candidates for admission will be notified in the University and College notice boards by the Dean, PGF cum DRI and will be floated in OUAT web site www.ouat.nic.in and <http://ouat-lokaseba-odisha.in>. You can download the intimation-cum-Rank Card from the above website. Intimation for admission will not be sent by post.
- 7.3 In the event of any change in the scheduled date of admission the same will be notified in the Notice Boards of the University and the College as well as in the website for information of the candidates. This will also be sent to your mobile as SMS and to your email.
- 7.4 A candidate who fails to appear for admission on the scheduled date, time and place will automatically and irrevocably forfeit his/her claim for admission.
- 7.5 The candidates coming for admission should bring with them all the original certificates and mark sheets for verification at the time of admission. They have to submit their college leaving certificate and conduct certificate (if the same is not mentioned in the CLC) in original from the head of the institution last attended.
- 7.6 Candidates are advised to enter correct final OGPA/marks in the application form under academic profile. If a candidate submits OGPA, then the percentage of marks must be as per the conversion rule of grade to percentage adopted by the university. In case of tie, any wrong entry of final OGPA/marks, detected at the time counseling and admission, then the candidate will be placed at the lowest rank in the group of candidates having same entrance score.
- 7.7 Candidates who passed their Masters degree from any University other than OUAT will have to submit their Migration certificate within 3 months, failing which they will not be allowed to appear in pre Ph. D Coursework examination.

- 7.8 All candidates selected for admission to Ph.D. course programme shall submit the Medical fitness certificate in prescribed form at the time of Admission.
- 7.9 In case the candidate for admission is found to have indulged in ragging in the past or if it is noticed that (s) he has indulged in ragging, admission will be refused or (s) he shall be expelled from the college and University.
- 7.10 The original documents like CLC, Migration, Conduct, submitted at the time of admission as required will not be returned to the candidates even temporarily under any circumstance. However, a certified copy of the same may be given on payment of Rs. 10/- for each such document. The caste certificate in original will be returned to the candidate concerned retaining Xerox copy duly attested by a Gazetted officer or a Faculty member of the University.

8. ACADEMIC SYSTEM

Duration of Course

8.1 A Ph. D course programme is a full-time study of three years which includes both course work of six months duration (except microbiology) and Laboratory research work. The Ph. D. Programme in Microbiology includes six semesters. The maximum permissible period for completion of Ph. D degree is six consecutive years. A candidate who successfully completes the course work will only be allowed to continue research for Ph.D. in the concerned subject.

The semester will have about 95 to 105 working days out of which teaching programme shall be at least 95 net instruction days (NIDs) excluding examination days.

8.1.1 Course Programme, Instruction and Evaluation.

8.1.2 The instruction is offered in English under course credit system. Each course is divided into distinct course units of courses. Each student admitted into a course programme shall take course as per the plan of course programme.

8.1.3 The course programme and examination will be regulated by the Semester regulations for Doctoral Programme of OUAT.

8.1.4 A student is required to have a minimum of 85% attendance in semester / course work failing which he /she shall not be allowed to appear at the semester Examination and will be detained in that semester, subject to regulation for

condonation up to 15% by the Director of the College. The academic regulation may please be referred to.

9 HOSTEL AND MEDICAL FACILITIES.

- 9.1 Hostel accommodation may be provided to Ph. D students on merit basis subject to availability of seats. After admission, the students shall apply to the Dean, Students' Welfare (DSW) through the concerned Dean / Director of the College for their stay in a hostel.
- 9.2 The University runs a Dispensary manned by experienced doctors and it provides treatment to students of the University.

10 STUDENT ACTIVITIES.

- 10.1 **Students' union:** The students union comprising of student representatives is formed every year in the college to organize cultural/ athletic / sport activities. The students are also allowed to participate in various inter college and inter university competitions at state and national level to show their performances in extracurricular activities.
- 10.2 **Students' welfare:** The Dean of students Welfare looks after the extra curricular activities of the students. The university Employment information and Guidance Bureau acts as a useful channel of communication between the students and employment organizations.

11 STUDENTS DISCIPLINE.

A student shall abide by the disciplinary rules and Regulations of the college and the University and shall not involve himself / herself in any objectionable conduct such as violation of discipline, disobedience of instructions of authorities, immoral conduct or disorderly behaviour including ragging. In case a student is found to be involved in any of the above undesirable activities, he/she shall be liable for expulsion from the College if the offence is grave. The expulsion from the College shall be ordered by the Director College of Basic Science and Humanities with the concurrence of the Vice Chancellor.

12. FEES**A. ONLY ONCE AT THE TIME OF ADMISSION**

Counseling fee	500.00
Registration fee	220.00
Recognition fee	110.00
Identity card	60.00
Library Card	60.00
Library caution money	1100.00
Laboratory caution money	1100.00
Development fees	
Course Fee (per Annum)	19800.00
Cultural fees	660.00
Sports fee with yoga	660.00

B. ANNUAL FEES

Athletic fee	250.00
Literary fee	250.00
Dramatic Society	250.00
Student's Aid fund	120.00
College commemoration	250.00
Students' Union	250.00
Indian Red Cross society	50.00
JPAIS	50.00
N.C.C.	5.00
N.S.S.	20.00
Youth Red Cross	20.00
College Calendar	110.00
Seminar fee	330.00
Cultural fee	22.00
Science Society fee	33.00
Laboratory development fee (per Annum)	33000.00

C. SEMESTER FEES

Admission fee	825.00
Tuition Fee	5500.00
Internet/Computer Lab fee	935.00
Medical Fee	220.00
Examination Fee	1200.00
College Development Fund	330.00

D. THESIS EXAMINATION FEE

Comprehensive Examination	2750.00
Thesis Examination	5500.00

E. ALUMNI FEE

500.00

(To be collected once at the time of 2nd semester / Annual Registration if not paid earlier during UG/Master Programme)

13. FEES PAYABLE AT THE TIME OF ADMISSION AND REGISTRATION:

Fees	Physics, Chemistry, Mathematics, Botany & Zoology (Per annum)	Microbiology (Per Semester)
At the time of Admission	68290.00	68290.00
At the time of 2nd Semester Registration	-----	9510.00
At the time of 3rd Semester Registration	74680.00	65170.00
At the time of 4th Semester Registration	-----	9510.00
At the time of 5th Semester Registration	91940.00	65170.00
At the time of 6th Semester Registration	-----	17260.00

14. Miscellaneous Fees for specific services / purposes	In Rs.
1 Provisional Degree Certificate	250.00
2 Consolidate Semester Transcript	400.00
3 Migration Certificate	300.00
4 Duplicate Provisional Certificate	650.00
5 Duplicate Transcript Certificate	650.00
6 Duplicate Migration Certificate	650.00
7 Semester Report/Grade sheet	100.00
8 CLC-cum-Conduct Certificate	300.00
9 Duplicate CLC-cum- Conduct Certificate	600.00
10 Degree Certificate	750.00
11 Duplicate Degree Certificate	1500.00
12 Degree Certificate Preservation Charges Rs. 250.00 per year and maximum of Rs. 1250.00	
13 Charges for verification of each documents	500.00
14 Charges for sending documents / Certificate by Regd. Post (Inside India)	100.00
15 Outside India	2000.00
16 Duplicate Identity Card	60.00
17 Duplicate Library Card	60.00
18 Make-up Examination fees (per subject)	610.00
19 Late Registration fees up to seven working days	610.00
20 Condonation Fee for shortage of attendance in a semester per subject	610.00

15. HOSTEL FEES	In Rs.
a) Hostel caution Money (Only once at the time of admission)	610.00
b) Seat Rent (per semester / boarder)	
i. Single Room	1100.00
ii. Double Room	1030.00
iii. Three of Four Seated Room	850.00
iv. More than four Seated Room	610.00
c) Electricity Deposit (Actual to be collected at the time of next Registration)	1460.00
d) Water charges (Per semester)	250.00
e) Hostel Common Room (Per semester)	370.00
f) Hostel Establishment (Per annum)	7260.00
g) Hostel development fee (Per semester)	970.00
h) Mess Advance (per semester)	14520.00
(Actual expenditure will be squared up at the time of Registration to next semester)	

NOTE: The above fees clauses 14-15 are subject to change as may be decided by the Academic Council.

16. REFUND OF FEES.

A candidate once admitted to a course shall not be eligible to get refund of the fees except caution money deposits.

17. ADMISSION CALENDAR 2022-23.

Sl. No	Programme	Date	Time
1.	Availability of Application Forms through online in www.ouat.nic.in and https://ouat-lokaseba-odisha.in	11.11.2022 to 21.11.2022	11.59PM
2	Editing online application form	Till last date of application submission	11.59PM
3.	Upload of post graduation marks/OGPA	25.11.2022	
4.	Download of Admit Card	28.11.2022 to 30.11.2022	
5.	Entrance Examination	09.12.2022	11.00AM to 1.00PM
6.	Date of publication of result and Download of Intimation – cum- Rank Card	16.12.2022	
7.	Date of Counselling and Admission	22.12.2022	
8.	Commencement of Class	26.12.2022	

NOTE

1. All holidays notified by the University will be the holidays for Colleges under OUAT.
2. The date of registration in each semester is the day on which all fees for semester are to be paid by the student(s).
3. If any semester programme falls on the holiday(s), the said programme will be carried on the next working day(s).
4. No fine shall be collected for Sundays and holidays for the purpose of late registration.
5. Subsequent programme of the semesters calendar will be notified from time to time by the College.
6. Any charge in semester calendar shall be approved by the Academic Council.



IMPORTANT DATES

Ph. D. Programme

Sl. No	Programme	Date	Time
1.	Availability of Application Forms through online in www.ouat.nic.in and http://ouat-lokaseba-odisha.in	11.11.2022 to 21.11.2022	11.59PM
2.	Editing online application form	Till last date of application submission	11.59PM
3.	Upload of post graduation marks/OGPA	25.11.2022	
4.	Download of Admit Card	28.11.2022 to 30.11.2022	
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7.	Date of Counselling and Admission	22.12.2022	
8.	Commencement of Class	26.12.2022	