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| **VIETNAM NATIONAL UNIVERSITY – HCMC** |
| **INTERNATIONAL UNIVERSITY** |

**Form 20**

*(Attached the Document No. 5901/BGDĐT-KHTC October 17, 2014 of Ministry of Education and Training)*

**ANNOUNCEMENT**

**Transparent information about education quality of**

**International University, academic year 2014-2015**

**Program: Master of Applied Mathematics**

| **No** | **Content** | **Full-time programs** | | | |
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| **Doctoral** | **Master’s** | **Undergraduate** | **College** |
| I | **Admission conditions** |  | * Vietnamese or foreigners who have graduated from universities in the fields of Mathematics/Applied Mathematics. * Candidates who graduated from other majors will not be accepted. * Test subjects: Synthesis (including basic knowledge of Calculus, Linear Algebra, Analytic functions), Interview (experience, career orientation, specialized knowledge, ability to analyze and present problems in order to determine the suitability of candidates for the programs) and English. |  |  |
| II | **Commitment about training facilities for learners** (such as classrooms, facilities, libraries…) |  | At the moment, IU has 2 training premises (one in Thu Duc district and the other in District 1, Ho Chi Minh City)  **Classroom quantity**: 74 classrooms, and among them, 8 auditoriums with over 150 seats and 14 auditoriums with more than 90 seats. All classrooms are equipped with air-conditioning system, computers with internet access, projectors.  **Laboratories and specialized equipment**: 39 labs equipped with modern specialized equipment, including 6 computer labs, 3 language rooms, 25 labs and 5 rooms for practicing workshop. There are 3 labs of Electrical and Electronics, Information Technology sponsored by Word Bank valuing 42,8 bil dong. Other labs of Biomedical Engineering, Biomedical Education, Basic Biotechnology, Molecular Biotechnology, Applied Biochemistry, Physics and Business Emulation Lab, English Lab are from the investment of IU valuing more 30 billion dong. Especially, the Equipment Laboratory is sponsored by Medical Center (MEDIC) and Eye Hospital in Ho Chi Minh City.  **Libraries**: There are currently over 118 thousand sorts of English books, of which one part is from sponsorship of VN2020 Organization, Vietnam Culture Development Society, IVCE-USA Organization, Professor RON REESE, 3A Pharmaceutical Company...  **Dormitory**: Using the dormitory system of VNU-HCMC with 85 rooms, total area 3.518m2, averaging 6m2/student. |  |  |
| III | **Faculty** |  | - Tenured lecturers: 164 people (4 Professors, 12 Associate Professors, 67 Doctors of Philosophy, 81 Masters).  - Visiting lecturers: the number depends on each semester of the academic year (approximately 35%). |  |  |
| IV | **Supporting activities for learners’ studying and living** |  | - Learning: IU uses the Edusoft web software for checking the training programs for students’ learning plan, course registration, scores...; Blackboard for interaction between faculty and students, teaching assistants.  - Activities: if participating in research, students will receive a stipend 3.5 million/month from the school and the support from teaching assistants |  |  |
| V | **Requirements about learners’ studying attitude** |  | - Complying with general training rules of IU.  - Complying with training regulations of the Training Program.  - Attending all training courses of the program and the instruction of lecturers.  - Having high spirit of responsibilty with citizen and community.  - Being proactive, active, diligent and creative in studying and working. |  |  |
| VI | **Aquired aims, knowledge, skills, foreign language proficiency** |  | * Good basic knowledge of Mathematics and Information technology and be capable of applying computational techniques in the field of application of mathematics to the real problem. * Ability to apply the knowledge of applied mathematics to design and handle specific mathematical models, for example, students of statistical probability major can draw the statistical inference from the available data or rely on this data to make predictions, advice for decision making. * Ability to apply learned knowledge: Ability to establish the mathematical model of a real problem or part of the problem. The ability to calculate, process (finding optimal plan, forecast...) models and improve the model. * Ability to recognize the mathematical models of the actual problems and solve the problems with the known models. * Skills to participate in work or lead the team to build models and propose solutions. * Ability to select and analyze the patterns, detect and resolve technical issues. * English proficiency: TOEFL > 500 at the time of graduation. |  |  |
| VII | **Career positions after graduation** |  | * Pursue PhD course in Applied Mathematics at the domestic or overseas universities/institutes; * Teach Mathematics in Vietnamese and English for professional schools, colleges, universities and higher secondary schools at high level; * Become a researcher at the institutes; collaborate with the research group of applied mathematics in other disciplines (Economics mathematics, Financial Engineering, computational science....) * Working in the departments of financial corporations and businesses. |  |  |

*HCMC, November 25, 2014*

**Form made by Rector**