

FLUDURAMS PROJECT

Is a joint educational program involving the following Universities from Belgium and Brazil: Université de Liège (ULg), Université Libre de Bruxelles (ULB), Universidade Federal Fluminense (UFF) and Universidade Federal do Amazonas (UFAM).

FLUDURAMS is sponsored by the CIUF, an organization joining nine universities and faculties of the French community in Belgium, through a commission called CUD (Commission Universitaire pour le Développement).

The goal is to develop a center of competences in river and short sea shipping shipbuilding focused on the sustainable regional development and integration of South American countries through waterways transport systems, aiming at the transfer of knowledge through applied research, teaching and training activities.

Among the expected multiplier effects, it is important to emphasize:

- Better control of the development of the river transport, particularly adapted to the regional conditions;
- Improvement of the mobility of populations and of products on a more efficient mode at the energetic and environmental levels;
- Improvement of the accessibility of the population to goods, health care and education.

BELGIAN COORDINATORS

MODULE 1:

Prof. A. NDIAYE (abndiaye@ulb.ac.be) and Dr. C. DANOÛ (c.danoh@ulg.ac.be)

MODULE 2:

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MODULE 3:

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BRAZILIAN ORGANIZING COMMITTEE

Prof. H. da COSTA MATTOS¹
Prof. M. L. MARTINS COSTA¹
Prof. M. H. VELEDA MOITA²

¹UFF - Universidade Federal Fluminense,
PGMEC – Programa de Pós-Graduação em Engenharia Mecânica
LMTA – Laboratório de Mecânica Teórica e Aplicada

²UFAM - Universidade Federal da Amazônia
NTC - Núcleo Interinstitucional de Pesquisas e Estudos em Transporte, Logística e Construção Naval na Amazônia

ULg - ULB - UFF – UFAM

FIRST JOINT TRAINING PROGRAM IN SHIPBUILDING TECHNOLOGY

June 21ST to August 27th, 2010
Universidade Federal Fluminense
Rio de Janeiro – Brazil

First training program (June, July and August 2010)

The courses will be held at the School of Engineering of UFF in Niterói, Rio de Janeiro, Brazil, on June, July and August, 2010. Courses: Monday to Friday from 6 pm to 9 pm and Saturdays from 9 am to 1 pm. Classes in English.

MODULE 1: Basic knowledge for waterborne transport and traffic (June 21st to July 9th, 2010)

- Transport planning and management
- Transport and traffic modeling
- Financial and socio-economic evaluation

MODULE 2: How to carry out the design of a boat according to preset local conditions? (July 19th to August 6th, 2010)

- Design including the analysis of stability and performances and definition of the of the hull body lines
- Dimensioning of the structure and the equipments taking into consideration classification rules
- Navigation regulations (including dangerous goods)

MODULE 3: For a specific boat on a known waterway (in particular in low depth), how to choose its system of propulsion? (August 9th to August 27th, 2010)

- Determination of the necessary power
- Definition of the propulsion system
- Technical analysis of the interactions navigation material - waterway infrastructure

Application procedures and deadlines:

- Modules are independent - The applicant may choose to follow one, two or all three modules;
- The courses are free of charge, but they have a limited number of places. 12 scholarships are available for participants living outside the state of Rio de Janeiro for lodging.
- Application for Admission: a curriculum vitae (pdf format - English, French, Portuguese or Spanish) must be sent via e-mail - fludurams@mec.uff.br, with the following information:

Personal details: Full Name, address, date of birth, place of birth, sex, nationality, telephone number, email address.

Higher education: Date of attendance, qualification – please attach copies of all Certificates and Diplomas.

Professional qualifications: Current employment, previous employments - please give details and dates.

The candidates living outside Rio de Janeiro must mention if they are also applying for a scholarship.



- Deadlines for submitting the application form:

First deadline (modules 1, 2 and 3): June 1st.
Acceptance – June 8th

Second deadline (modules 2 and 3): July 1st.
Acceptance – July 8th

Third deadline (module 3): July 19th.
Acceptance – July 26th

- Registration: At the beginning of each module - Secretariat of the course, from 4 pm to 6 pm



Contact

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Laboratório de Mecânica Teórica e Aplicada

1st FLUDURAMS Training Program
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