A GUIDE TO SERVICES, FACILITIES AND EXPERTISE AT THE CAVE HILL CAMPUS OF THE UNIVERSITY OF THE WEST INDIES
MISSION OF THE BUSINESS DEVELOPMENT OFFICE

"To stimulate and facilitate the generation of earned income through active application of the Campus' physical and intellectual assets to the issues, challenges and opportunities faced by Governments, business and industry in the region and beyond, while upholding and enhancing the Campus' commitment to excellence in teaching, learning and research."
A MESSAGE FROM THE PRINCIPAL

The Cave Hill Campus is mandated to develop an entrepreneurial culture in order to promote the competitiveness of our economies; support the private sector; achieve greater financial autonomy for our operations; and reduce our reliance on governments for programme funding. This agenda includes:

- Strengthening the business orientation of our existing revenue generating services (housing, food, bookshop) and the search for more such business opportunities;
- Increasing and expanding our professional advisory, research and consultancy services that can be delivered through our specialised centres or teams of professionals within the University;
- Capitalising on the possibilities for contract training in a wide variety of areas; and
- The rental and leasing of facilities for meetings, conferences, banquets and the like.

In pursuit of this agenda, we have embarked on a process of transition and reorganisation in order to better meet the needs of our stakeholders. The Business Development Office has been established to serve as a bridge between the University and the public and private sector and specifically, to implement an institutionalised programme of mutually supportive partnership arrangements, such as Memoranda of Understanding, which will see resources and an exchange of value in both directions. Such strategic partnerships are vital for the survival of the Cave Hill Campus in an era of increasingly intense competition for investment resources in education.

I urge you to engage and support our efforts by recognising our willingness to support productive activity; considering us a worthwhile partner as a supplier of research, consultancy, and contract training services; by enhancing our Endowment Fund; and generally considering the UWI Cave Hill Campus a business partner of choice in appropriate business ventures. The future of our academy depends on our mutual success.
THE BUSINESS DEVELOPMENT OFFICE - YOUR GATEWAY TO UNIVERSITY EXPERTISE

We at the Cave Hill Campus of the University of the West Indies are committed to sharing our expertise with partners in the Eastern Caribbean, the wider region and beyond. We are intent on:

- Continuously enhancing our understanding of the strategic development needs and research priorities of the external community we serve.
- Improving access to the knowledge and skills of our university experts.
- Applying our expertise to the problems and issues faced by those who are working to take our nations forward.
- Building mutually beneficial strategic partnerships with regional and international agencies, private sector companies, institutions and universities.

The Business Development Office (BDO) has been established specifically for the purpose of building links with the external community and identifying funding opportunities to support the infrastructural and programme development of the Campus. We actively solicit:

- Institutional consultancies, including contract (applied) research to address specific client needs.
- Corporate and alumni contributions to the UWI Development and Endowment Fund, including gifts for capital projects, research, lecture series, graduate fellowships and assistantships, professorships, Faculty Chairs, bequests, covenants and named/memorial gifts.
- Investment partnerships to upgrade Campus businesses, support infrastructural development and the transfer of university technology to the commercial world.

We are pleased to share with you this look at the services, facilities and expertise available at the Cave Hill Campus. We invite you to contact the Business Development Office should you have any queries, or should you be interested in discussing an idea or opportunity with us.
THE UNIVERSITY OF THE WEST INDIES

The University of the West Indies (UWI, familiarly referred to in the region as “uwee”) is a fully autonomous international institution, which draws most of its students from fourteen countries in the Commonwealth Caribbean: Antigua & Barbuda, Bahamas, Barbados, Belize, British Virgin Islands, Cayman Islands, Dominica, Grenada, Jamaica, Montserrat, St. Kitts/Nevis, St. Lucia, St. Vincent & the Grenadines and Trinidad & Tobago.

The University came into being as the University College of the West Indies under Royal Charter in 1949 at Mona, Jamaica, in special relationship with the University of London. Full university status was achieved on April 2, 1962. Two campuses were later established at St. Augustine in Trinidad and Tobago in 1962, incorporating the Imperial College of Tropical Agriculture, and at Cave Hill in Barbados in 1963.

The UWI has proudly established itself as the premier University in the region. Many of our more than 40,000 graduates, are at the forefront of development in our nations, both in Government and private enterprise, including the Prime Ministers of six of the region’s island states. We are committed to continuously building on our fine record of achievement in delivering regionally relevant, world-class education, training, consultancy services and research and contributing to the development of this region that is our home.
THE CAVE HILL CAMPUS

The Cave Hill Campus of the University of the West Indies began in 1963 as the College of Arts and Sciences and became a full-fledged Campus in 1970, with the establishment of the Faculty of Law. The Campus has long come of age and is now well recognised as a centre of intellectual leadership in the region. We have made a sterling contribution in the Eastern Caribbean, whose social, economic and cultural growth continues to be our very reason for being. Our positive influence is evident in all sectors of our society, from political and business developments, to education, agriculture and health.

At Cave Hill, we work through four Faculties, two schools and a number of special units to offer undergraduate and postgraduate programmes in Education, the Humanities, Law, Science and Technology, Clinical Medicine and Social Sciences. The Cave Hill Campus is the headquarters of the Faculty of Law of the UWI. The Campus maintains close relationship with Codrington College, a Theological College founded in 1745, and the Caribbean Meteorology Institute.

The University operates a semester (two-term) system based on a credit scheme. In most Faculties, students are required to complete 90 credits towards the degree. Ordinarily, fully matriculated students complete their undergraduate degree programme in three years of full-time study.

The range of subjects which may be combined in a degree option, is quite wide and many inter-disciplinary programmes are available. Our programme of curriculum reform is ongoing and seeks to ensure that our students have more and better options and are well-prepared to take their place in a globalised, highly technological world.
A - Z OF OUR EXPERTISE

The Cave Hill Campus offers a rich mix of experts from the region and the world beyond, who are enthusiastic about applying their specialised, technical knowledge, skills and expertise to “real world” problems. Our staff includes professionals from 23 nations, including Australia, Asia, Africa, Canada, Great Britain, South & Central America, U.S.A, New Zealand, Europe and other Caribbean nations, a number of whom have worked with regional and international development agencies. We have a unique capacity to assemble strong, diverse, multi-disciplinary teams, with a range and depth of knowledge and experience of the special issues facing Governments, business and industry in the Eastern Caribbean and the wider developing world, including other small island states.

Over the years, the Campus has worked to identify, hone and promote its special core competencies, building niche areas of strength that distinguish and define its offerings for research and consultancy collaborations. The Campus has fostered the growth of a number of specialised units to focus on the advancement of our knowledge and expertise in these areas. Foremost among these strengths are the following:

Areas of Specialisation

- Business Management And Organisational Development
- Caribbean And International Law
- Caribbean Heritage - Language, Literature, History, Culture And Society
- Chronic Diseases Facing Caribbean Peoples
- Computer Controlled Systems
- Education Evaluation Services, Including Programme, Institution And Personnel Evaluation
- Foreign Language Training, Translation And Interpreting
- Natural Resource And Environmental Management
- Plant And Marine Biotechnology And Natural Products Research
- Renewable Energy And Sustainable Development Issues - especially Solar Energy Technology
- Social And Economic Policy Development And Research
- Teacher Education And Training
- Tropical Plant And Food Crops

Our track record includes management of a strong and varied portfolio of training, research and consultancy projects funded and supported by many of our local and regional public sector agencies and international development institutions, foundations and grantmakers.
BUSINESS MANAGEMENT AND ORGANISATIONAL DEVELOPMENT

In the area of business management and organisational development, our range of experience covers both the public and the private sector and our expertise includes the following areas of strength:

- Public Sector Management
- Social Security Management
- Development Management
- Labour Management Relations
- Accounting
- Tourism Management
- Operations Management
- Management Information Systems
- International Business Management
- Financial Management

CARIBBEAN AND INTERNATIONAL LAW

Our expertise in every aspect of the law and legal reform is extensive, including:

- Consumer Law
- Constitutional Law
- Corporate Law
- Environmental Law & Law of the Sea
- Financial Services Law
- Revenue Law
- Industrial Law
- International Law
- International Development & Economic Law
- Investment Law
- Justice Improvement
- Human Rights
- Labour Law
- Legislative Drafting
- Foreign Investment
- Property Law
- Poverty Law
- Securities Law
- Taxation

The Caribbean Law Institute Centre (CLIC), a research unit of the Faculty of Law, offers research and consultancy services in the area of commercial law reform and harmonization of laws in the Commonwealth Caribbean, aimed specifically at removing barriers to trade, commerce and investment among the countries of the region. CLIC produces two publications: Caribbean Law and Business and Caribbean Commercial Law Reports. The Institute is a joint project between the UWI and the College of Law of Florida State University and was established in 1988, with funding from the United States Agency for International Development (USAID).
CARIBBEAN HERITAGE - LANGUAGE, LITERATURE, HISTORY, CULTURE AND SOCIETY

We offer a wide range of expertise in every aspect of West Indian heritage and popular culture in the English, French and Spanish speaking Caribbean, including:

- Poetry
- Film
- Drama
- Music
- Women and Gender issues
- Economic, Social and Cultural History
- Constitutional and Political History
- Landscape History
- Archaeology
- Caribbean Creole languages and linguistics, including language acquisition and literacy issues
- West Indies Cricket history and popular culture
- Slavery

Our Caribbean heritage experts have often served as invaluable resource persons, ensuring authenticity in heritage tourism projects, as well as films and other broadcast productions.

CHRONIC DISEASE RESEARCH

Chronic diseases, such as high blood pressure, diabetes, obesity and heart disease now account for most of our morbidity and mortality in the region. The Chronic Disease Research Centre (CDRC) at the Cave Hill Campus was formally opened in 1992, with a mission to improve the health of the population and promote human development through research into the prevention and management of these lifestyle related chronic diseases. We have received strong financial support from the Wellcome Trust and the Caribbean Development Bank, which are funding our current research into amputations in diabetes, the national incidence of strokes in Barbados and the health and well-being of the elderly. This research will inform the development of national and regional health polices and programmes.
COMPUTER CONTROLLED SYSTEMS

Our Department of Computer Science, Mathematics and Physics is growing its expertise in the development and application of practical computer based technologies. We are excited about the commercial possibilities of a number of applications that have been developed.

Our computerized digital cricket scoreboard is a great sponsorship opportunity for companies whose target audiences are found among regional and international cricket lovers. We have the capacity to produce two types of boards: a simple digital display or a full matrix display. In designing the board, the focus has been on simplicity of operation, cost effectiveness and audience satisfaction. The basic scoreboard, which debuted at the world famous Kensington Oval in Barbados during the 1999 South Africa tour, offers the following features: it is fully computer controlled; expandable to larger board; remotely operated; low power; low cost; low maintenance and easy operation.

The digital outdoor time/temperature display uses similar technology and offers a new option in outdoor advertising for the innovative company seeking new mechanisms for exposure to mass audiences.

EDUCATION EVALUATION

The Education Evaluation Centre is a specialist centre, which has grown out of the School of Education and which was established at the Cave Hill Campus in 1999 to provide consultancy services to Governments and educational institutions in the areas of programme, personnel and institutional evaluation and research. The Centre’s current major client is Barbados’ Ministry of Education, for whom it is managing the project evaluation component of the Barbados Government Education Sector Enhancement Programme (EDUTECH 2000).

EDUTECH 2000 is a seven year programme aimed at promoting radical change in teaching methodologies, achieving major infusion of information technology and improving curricula across all subjects and in all primary and secondary schools. Factors currently being monitored and evaluated by the Centre include: reform activities in schools, with parents and the general public; relevant teacher/manager training; technical support; pedagogical support; and perceptions of stakeholders about the programme. The Centre also organises and conducts training seminars, workshops and short courses in evaluation and research, testing and measurement, programme implementation and evaluation and programme design and management.
FOREIGN LANGUAGE TRAINING, TRANSLATION AND INTERPRETING

We are equipped to design and deliver specialized programmes in French and Spanish language to meet the needs of the business community and the public sector. We also offer programmes in English as a foreign language and will launch a Certificate in Foreign Language Interpretation in the near future.

The UWI Translation Bureau at Cave Hill is your guarantee for accurate, reliable translations into and from French, Spanish and other languages. We can translate all types of business, legal and technical documents. Our translators are trained experts, who can provide quick turn around at competitive rates with the best quality output.

NATURAL RESOURCE AND ENVIRONMENTAL MANAGEMENT

Our Centre for Resource Management and Environmental Studies (CERMES) provides expertise in all aspects of marine resource and environmental management. The Centre’s Natural Resource Management Programme (NRMP) offers a Master’s of Science Degree in Natural Resource Management (which specializes in Coastal and Marine Resource Management) and a Certificate Course in Geographical Information Systems and Land Information Systems. Our experts offer the following services:

- Analysis And Advice On The Protection And Impact Of Development On Marine Resources In Small Island States
- Environmental Impact Assessments
- Environmental Monitoring For Pollutants, Including Pesticides
- Marine Ecology
- Aquaculture
- Barbadian Natural History
- Fisheries Biology

Our current research includes a study of the impact of marine protected areas on the livelihoods of poor communities, which is funded by the British Government’s Department For International Development (DFID) and our 15 year Sea Turtle Conservation Project, aimed at protecting and conserving endangered sea turtle populations in Barbados.
PLANT AND MARINE BIOTECHNOLOGY
AND NATURAL PRODUCTS RESEARCH

Knowledge of the healing properties of local plants is passed down in our region from generation to generation through folklore and practice. Scientific testing and evaluation of the healing properties of these plants, as well as marine organisms, is an area of critical research focus for scientists in our Department of Biological and Chemical Sciences. Our work to isolate and characterize agents with potential to treat viral diseases, such as hepatitis, AIDS and cancer, has already attracted support from the Canadian pharmaceutical company, Sire Biochem Pharma. The Department’s expertise includes:

- Microbial Ecology
- Natural Antibacterial Substances
- Mutacins
- Bacteriocins
- 2D Natural Magnetic Resonance (NMR) Spectroscopy

RENEWABLE ENERGY AND SUSTAINABLE DEVELOPMENT ISSUES

Our host country, Barbados, is a pioneer in the promotion of the use of alternative energy sources. Much of this activity is fuelled by our Solar Energy Programme (SOLPROM), housed in the Centre for Resource Management and Environmental Studies (CERMES), which partners with the Government of Barbados to develop and demonstrate the viability of renewable energy systems, with a special focus on solar energy, including photovoltaic technology. The SOLPROM Unit’s areas of specialization include the production of solar energy devices for uses such as:

- Solar Distillation For Distilled Water Production
- Solar Crop Drying
- Solar Air Conditioning
- Ice Making
- Solar Lighting With Photovoltaic Cells
- Solar Cooking
- Solar Generators

A young team of scientists trained by solar energy pioneer, the late Professor Oliver Headley, is now at work to continue to build on his legacy and develop commercially viable, environmentally friendly solar products.
SOCIAL AND ECONOMIC POLICY DEVELOPMENT AND RESEARCH

The Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), formerly the Institute of Social and Economic Research (ISER), is found on each of the three campuses of the University of the West Indies. SALISES Cave Hill, was established in 1963 for the specific purpose of conducting basic, applied and policy-oriented research into the social and economic problems of the Eastern Caribbean. The Institute is at the cutting edge of explaining and investigating Caribbean developmental concerns and works closely with members of the Faculty of Social Sciences to offer research, technical assistance and consultancy services in a wide range of areas, including:

- Political Science
- Public Administration
- Migration
- Demography
- Women And Development
- Human Resource Development

SAI ISFS' capacity also includes: comparative research; multi-disciplinary projects; sample surveys (e.g. political polls, market research); and quantitative economic research.

TEACHER EDUCATION AND TRAINING

The School of Education at the Cave Hill Campus continues to make a sound contribution to the training of teachers and educational reform in the Eastern Caribbean. Our areas of specialization at both the primary and secondary levels include:

- Assessment Of Teaching Practice
- Curriculum Development
- Education Strategy
- Measurement, Evaluation And Testing
- Subject Specializations, Such As Social Studies, Science And Mathematics
- Education Administration And Reform

In recent years, we have been contributing to improvements in the primary education system in the Eastern Caribbean in a joint project between the School of Education, the Organisation of Eastern Caribbean States (OECS) and British Department for International Development (DFID), in which more than 1,500 primary school teachers and school administrators are being trained.
TROPICAL PLANT AND FOOD CROPS

Our biotechnology specialists in the Faculty of Pure and Applied Sciences are also continuing their highly successful developmental work throughout the Eastern Caribbean, pioneering solutions to many complex and damaging diseases threatening agricultural crops, such as yams, sweet peppers, onions, papaya and anthurium lilies. We have a wealth of practical experience in scientific approaches to improving growth, production and quality of important plants, fruit and vegetable crops. Through our Chair in Tropical Horticulture, provided with the assistance of the Peter Moores Foundation, we are further able to strengthen our expertise in tropical horticulture through access to valuable international experts. Our expertise includes:

- Commercial Horticultural Systems
- Composting
- Fruit Ripening
- Uses of Caribbean Plants
- Plant Pathology
- Soil Microbiology
A LOOK AT OUR FACILITIES

The Cave Hill Campus is spread across a scenic forty-eight acre site, which looks out to the Caribbean Sea. It is located just three miles away from the island’s capital and principal commercial centre, Bridgetown, in an attractive suburban community, within close proximity to some of the island’s most popular beaches.

The campus host country, Barbados, is itself a small island of 426 km² with a fully literate population of just over 260,000 people, a well-developed infrastructure and a per capita income of approximately US$5,000. The island is serviced by an extensive network of surfaced roads, excellent internal and external telecommunications systems and daily air connections with countries of North and South America and Europe, as well as other West Indian states.

With a relatively small student population of around 3,900 and a staff of approximately 530 (130 academic and 400 non-academic), the Cave Hill Campus exudes intimacy, friendliness and order. Its picturesque low-rise buildings include the Frank Worrall Hall of Residence, the design for which was chosen in international competition. Our staff and student population is a melting-pot of persons of all nationalities. While most of our students are from Barbados, there is also a strong cohort from the islands of the Eastern Caribbean, Trinidad and Tobago and Jamaica, as well as a small community of international students from 24 countries around the world, including the USA, India, Canada, the UK, Botswana, Germany, Swaziland, Uganda, Papua New Guinea and Tanzania.

Our Campus complex, though modest in size, provides a range of charming accommodations for both staff and students, including lecture theatres, seminar rooms, laboratories and a special teaching complex, which includes an arena comprising three large lecture theatres around an open-air courtyard. There are two Halls of Residence on campus, offering accommodation for some 280 students. The entire Campus, including off-campus units are linked to the Campus network, with access to the full range of services, including Internet access, email and remote login facilities for staff. All students also have access to the Internet and email privileges, through our network of over 220 computers located in the various computer laboratories around the Campus.
We are in a continuous process of upgrading our infrastructure and resources to meet a new era of challenge and achievement. In recent years, we have made major investments in information technology and have expanded and upgraded our physical plant, including a complete renovation of our Main Library, expansion of our facilities for Science and Technology (with the assistance of the Inter-American Development Bank), a major upgrade of our Language Laboratory, and the addition of a new suite for training in Foreign Language Interpretation.

These strategic investments in our physical infrastructure will continue with the construction of a state-of-the-art Creative Arts Centre, which will incorporate facilities for drama, theatre, creative writing, music, sculpture, painting, photography and dance. The facilities and programmes of the Centre will support the development of a vibrant regional cultural industry. Notable features include: a 500-seat studio/theatre, an exhibition area, music rooms, a dance studio, a recording studio, a library/reading room, production and dressing rooms.

Library Facilities

The Main Library supports the teaching and research activities of all Faculties with the exception of Law and the School of Clinical Medicine and Research. Its holdings include 126,000 volumes of books, over 18,000 pamphlets and some 2,000 periodicals. It houses a special West Indies Collection, a treasure trove of magazines, periodicals, newspapers, literary works and research manuscripts produced in and about the islands of the region. It has membership in an international cataloguing network, which gives it access to the catalogues of 4,000 participating libraries, as well as access to DIALOG Information Service based in California.

Our Law Library is considered the premier legal library in the region. It houses an extensive collection of West Indian and other Commonwealth legal materials - more than 95,000 volumes, including 620 legal serial titles, some 400 law reports, statutes, digests and citations. The West Indian section includes over 1,500 unreported West Indian cases, theses and research papers and the most extensive collection of West Indian legislation in existence, including pre-1900 laws of the region.
**Scientific Laboratories and Instrumentation**

**INSTRUMENTATION IN THE DEPARTMENT OF CHEMICAL & BIOLOGICAL SCIENCES**

- Atomic absorption spectrophotometer (Pye Unicam SP9)
- Atomic absorption spectrophotometer with graphite furnace (Buck 200A & WF1)
- Diode array spectrophotometer (Hewlett Packard 8452A)
- Electrophoresis system (Bio-Rad)
- Ethylene gas analyzer (Photovac 10550)
- Freeze-drier (Savant) FT-IR spectrometer (Perkin-Elmer 1726X)
- Gas chromatograph (Pye Unicam 1400 & 4450)
- Gas chromatograph - mass spectrometers (Fisons 8000 & Neus-Nicollet)
- Gel drying system (Beckman)
- HPLCs (Beckman Gold & Hewlett Packard 1050)
- Infrared gas analyzer (ADC 225 II)
- Liquid scintillation counter (Beckman LS 1801)
- Magnetotrace (Johnson Mathews)
- Mid-range centrifuges (Beckman J2-21 & J2-MC)
- Orbital shaking incubators (EFL)
- PCR apparatus
- Plant growth chambers (Percival)
- Polariometer (Perkin-Elmer 341)
- Potentiometric stripping unit (Radiometer PSU2)
- Refrigerated incubators (Precision & Sheldon)
- Scanning UV/visible spectrophotometer (Beckman DU85)
- Thermo balance (Stanton Redcroft ST-785)
- Ultra-centrifuge (Beckman L8-70K) Cold Room
- 2D NMR Spectrometer

Our Science and Technology complex supports a vibrant programme of teaching and research and includes six teaching laboratories, one research laboratory, four research instrument rooms, tissue culture and microscopy suites, a fermentation laboratory, an aquaculture laboratory and a glassblowing workshop. Our Biological Park, a landscaped esparment planted with a beautiful array of tropical flora, serves as a natural outdoor extension to our indoor laboratories for both teaching and research functions and also provides a place for study, quiet repose and reflection for the Campus community.

We have established a number of strategic alliances, which allow us access to important facilities off Campus. Through a long-standing relationship with McGill University of Canada, we have access to the marine biology and fisheries facilities of the Bellairs Research Institute of McGill University, Canada's only teaching and research facility in the tropics, located on the west coast of the island. Bellairs facilities include wet and dry labs, aquaria and holding tanks.

We also have in place an agreement with the Barbados National Trust, through which we are able to access the Andromeda Botanic Gardens on the east coast of Barbados. Andromeda is a paradise for anyone interested in tropical horticulture. These Gardens, developed in 1954, are spread over six acres and represent one of the finest collections of tropical flora in the region, including a rich variety of blooms, orchids, exotics and shrubs.
Facilities for Language Learning

Our facilities for language learning include a state-of-the-art Language Laboratory, which facilitates some 24 persons and offers the latest in audio, video and computer technology to stimulate the development of their foreign language skills. A recent addition to the facility is the Interpretation Unit, which will facilitate the teaching of simultaneous and consecutive foreign language interpreting.

The Learning Resource Centre

The Learning Resource Centre (LRC) is evidence of our commitment to ensure diversification and modernisation of teaching methodologies. The LRC encourages and supports the use of audio-visual materials in teaching and learning and maintains a library of such materials for use by staff and students. The Educational Media Services Unit (EMS) of the LRC assists in the production of educational materials and supports the use of information and communications technologies. The Unit is equipped to undertake video and audio production to near broadcast quality including shooting, scripting and editing in VHS and S-VHS formats and the production of promotional, documentary or instructional materials with digital effects. A fully equipped VTR studio makes possible studio productions, including video/audio-taped interviews and discussions.
We invite you to invest in the Cave Hill Campus as we apply our expertise to your problems and prepare this region's leaders of tomorrow.

We invite your expressions of interest in:

- Institutional consultancies
- Contract research
- Accessing our market of current and future opinion leaders from around the region
- Corporate and alumni gifts
- Investment / Commercial opportunities
FOR FURTHER INFORMATION PLEASE CONTACT:

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