

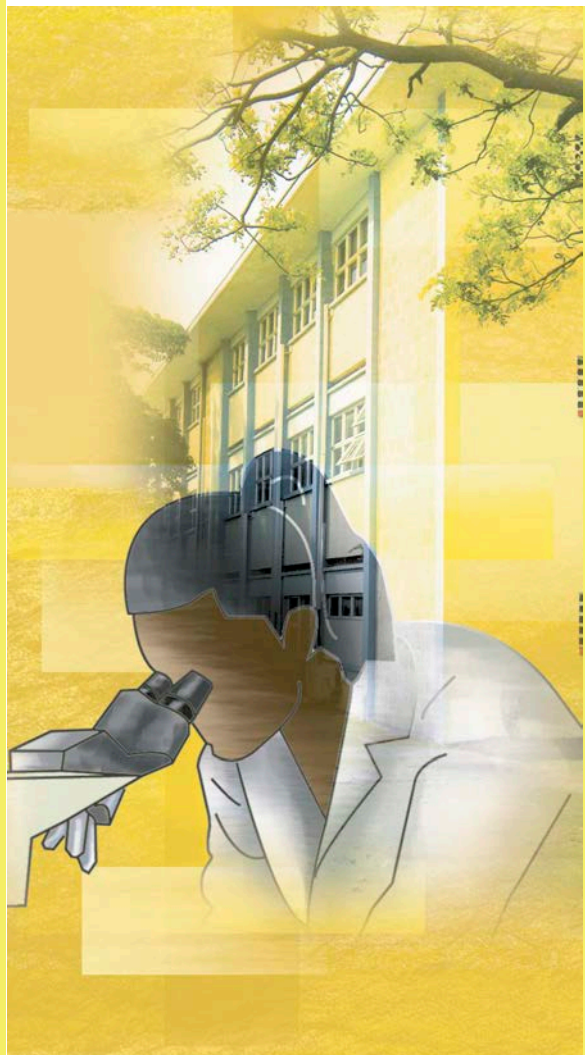


THE UNIVERSITY OF THE WEST INDIES  
CAVE HILL CAMPUS, BARBADOS

THE FACULTY OF  
**SCIENCE &  
TECHNOLOGY**  
STAFF DIRECTORY

2012-2013

**Information Guide**







THE UNIVERSITY OF THE WEST INDIES  
CAVE HILL CAMPUS

FACULTY OF SCIENCE & TECHNOLOGY  
UNDERGRADUATE STAFF DIRECTORY 2012-2013

<http://www.cavehill.uwi.edu/fst>

Email: [fst@cavehill.uwi.edu](mailto:fst@cavehill.uwi.edu).

## MISSION

To advance education and create knowledge through excellence in teaching, research, innovation, public service, intellectual leadership and outreach in order to support the inclusive (social, economic, political, cultural, environmental) development of the Caribbean region and beyond.

## VISION

By 2017, the University will be globally recognised as an innovative, internationally competitive university, deeply rooted in all aspects of Caribbean development and committed to serving the diverse people of the region and beyond.

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This booklet gives information on Courses offered in the Faculty of Science and Technology at the Cave Hill Campus of the University of the West Indies (Barbados). For courses offered at the other Campuses, please see Faculty booklets for the Mona (Jamaica) and St. Augustine (Trinidad & Tobago) and the Open Campus.

This Guide is intended for students entering the Faculty of Science and Technology from academic year 2012 – 2013. Continuing students must refer to Faculty Regulations that govern their year of entry – available on the Faculty website.

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THE UNIVERSITY RESERVES THE RIGHT TO MAKE SUCH CHANGES TO THE CONTENTS OF THIS PUBLICATION AS MAY BE DEEMED NECESSARY.

## Disclaimer:

The information in this booklet is accurate at the time of printing. Subsequent publications may therefore reflect updated information. Students should consult their Dean where clarification is required.

## CONTENTS

INTRODUCTION .....	4
STAFF LIST .....	5
PRINCIPAL OFFICERS OF THE UNIVERSITY OF THE WEST INDIES .....	13

## INTRODUCTION TO THE FACULTY

The University of the West Indies is a regional and international institution primarily serving the needs of the Commonwealth Caribbean. Established in 1948 at Mona, Jamaica, as a college in special relationship with the University of London, it received full university status in 1962, as an independent degree-granting institution. In 1960, a second campus was established at St Augustine, Trinidad, and in 1963 teaching started in Barbados, first at a temporary site at the Bridgetown Port and then at the Cave Hill Campus.

Sciences have been taught at the Cave Hill Campus of the University of the West Indies from its inception. The Faculty was formerly known as the Faculty of Natural Sciences and later the Faculty of Science & Technology then the Faculty of Pure & Applied Sciences before settling on the current name of the Faculty of Science and Technology. Our full-time Academic Staff are mainly Caribbean nationals but we are also very much an international Faculty with about one third of our lecturers drawn from countries far and wide. Our degree programmes are well-respected regionally and internationally with many of our graduates working or pursuing further studies overseas. The Faculty comprises three sections:-

- Department of Biological & Chemical Sciences – undergraduate & graduate programmes
- Department of Computer Science, Mathematics & Physics – undergraduate & graduate programmes
- Centre for Resource Management and Environmental Studies (CERMES) – graduate programmes

In the undergraduate BSc programme, courses are offered in all major scientific disciplines, with first year courses also taught at Tertiary Level Colleges in Antigua and St. Lucia. Students may Major in one or two disciplines and current enrollment in the Faculty is just over one thousand undergraduates, most of whom are full-time students.

Science graduates may register for the research degrees of M.Phil. and Ph.D. under the supervision of a member of the Academic Staff. The Faculty also offers MSc. programmes in various fields. CERMES offers an MSc. in Natural Resource and Environmental. While an MSc in Electronic Commerce was offered by the Department of Computer Science, Mathematics and Physics, providing graduates with the skills required for implementing, maintaining and developing Electronic Commerce services in the region however, this will soon be replaced with a series of new taught Masters programmes in Cyber-Security, Telecommunications, Robotics, Gaming, Networking, and Computer Science to keep our science and technology offerings exciting. A new programme in Renewable Energy Management will also begin this academic year and an online M.Sc. in Telecommunications is soon to be launched.

The research interests in the Faculty are diverse, addressing both fundamental questions in Science as well as finding scientific solutions to real life problems facing Caribbean people. Faculty members also constitute an unmatched source of expertise to Governments, Non-Governmental Organisations and the Private Sector in providing technical advice.

The Sports Agronomy Research Unit (SARU), within the Department of Biological & Chemical Sciences, conducts basic and contract research and provides consultancy services in the area of living grass surfaces for sporting and recreational activities. It complements the UWI Centre for Cricket Excellence.

Through collaboration with the Caribbean Institute for Meteorology and Hydrology, the Faculty offers a Major in Meteorology within the BSc degree.

# STAFF OF THE FACULTY OF SCIENCE AND TECHNOLOGY



## Faculty Office & Officers

Tel: (246) 417-4310  
Fax: (246) 417-4597  
Website: <http://www.cavehill.uwi.edu/fst>  
E-Mail: [fst@cavehill.uwi.edu](mailto:fst@cavehill.uwi.edu)

- ❶ Dean **Peter Gibbs**  
BSc, Dip. Ed. (UWI), MSc.(Guelph)
- ❷ Deputy Dean **Thea Scantlebury-Manning**  
(Academic Affairs)  
BSc, PhD (Concordia)
- ❸ Deputy Dean **Jeanese Badenock**  
(Outreach & Research)  
BSc (UWI) PhD (Dartmouth)

Administrative Assistant	<b>Kay Browne</b> BSc (UWI)	417-4311
Administrative Assistant (Projects)	<b>Natasha Corbin</b> BSc, MSc (UWI), MSc (UWI)	417-4739
Stenographer/Clerk	<b>Gloria Harper</b>	417-4312
Secretary	<b>Shana Odle</b>	417-4310
Office Assistant	<b>Anthony Howell</b>	417-4312
I.T. Technician	<b>Maurice Beckles</b> BSc (UWI)	417-4914
Mechanical Workshop	<b>Glendon Pile</b>	243-5585
Mechanical Workshop	<b>Grantley Forde</b>	417-4914
Earth Sciences Technician	<b>Damian Greaves</b> BSc (UWI)	417-4914
Electronics Workshop	<b>Andrew Phillips</b> BSc (UWI)	417-4314
Electronics Workshop	<b>Brian Haynes</b> BSc (UWI)	417-4314

## Centre for Resource Management and Environmental Studies (Cermes)

**Tel:** (246) 417-4339  
**Fax:** (246) 424-4204  
**Website:** <http://cavehill.uwi.edu/cermes>  
**E-Mail:** [nrm@cavehill.uwi.edu](mailto:nrm@cavehill.uwi.edu)



Director  
**Professor Robin Mahon**  
BSc (UWI), MSc., Ph.D.(Guelph)

---

### Administrative

**Assistant:** **Jennifer Hurley**  
**Secretary:** **Lisa-Ann Rollins**

Professor of Marine Affairs and Director  
**Robin Mahon**  
BSc (UWI), MSc, PhD (Guelph)  
417-4570/4339

Professor of Marine Ecology and Fisheries  
**Hazel Oxenford**  
BSc (Exeter), PhD (UWI)  
417-4571

Senior Lecturer  
**Leonard Nurse**  
BSc (UWI), MSc. (Memorial),  
PhD (McGill)  
417-4344

Senior Lecturer  
**Patrick McConney**  
BSc. (Bangor), M.ES. (Dalhousie),  
PhD (UBC)  
417-4725

Lecturer  
**Adrian Cashman**  
BSc (KCL), MSc, DIC (ICL),  
MSc. (York), Ph.D. (Sheffield)  
417-4829

Lecturer  
**Janice Cumberbatch**  
BSc (UWI), MSc (York),  
PhD (UWI)  
417-4569



## Department of Biological and Chemical Sciences

**Tel:** (246) 417-4323  
**Fax:** (246) 417-4325  
**E-Mail:** bcs@cavehill.uwi.edu



Professor of Theoretical &  
Computational Chemistry  
& Head of Department

**Sean McDowell**  
BSc (UWI), PhD (Cantab)

---

Administrative Assistant **Shirley Jones**  
Stenographer/Clerk **Cynthia Spooner**  
Stenographer/Clerk **Pauline Moore**  
Stenographer/Clerk **Toni Russell**

### **BIOLOGICAL SCIENCES**

Professor of **C. M. Sean Carrington**  
Plant Biology BSc (Edin.), DPhil (York-UK)  
417-4330

Professor of **Julia A. Horrocks**  
Conservation Ecology BSc. (Reading), PhD. (UWI)  
417-4320

Professor of Ecology & **Wayne Hunte**  
Environmental Sciences BSc, PhD (UWI)  
& Pro-Vice Chancellor 417-4129/4218  
(Research)

Professor of Microbiology **Marc Lavoie**  
BSc, MSc, PhD (Montreal)  
417-4354

Emeritus Professor **George E. Mathison**  
of Biology BSc. (Bristol), PhD. (Nott.)

Senior Lecturer **Sarah L. Sutrina\***  
B.A. (Colorado),  
PhD (Johns Hopkins)  
417-4360

Lecturer **Angela Alleyne**  
BSc, MPhil, PhD (UWI)  
417-4808

Lecturer **Angela Fields**  
BSc, PhD (UWI)  
417-4666

Lecturer **Rajendra Maurya**  
in Tropical Horticulture BSc, MSc (RAU), PhD (HAU)  
417-4349

Lecturer **Marilaine Mota-Meira**  
Ing. (Curitiba) MSc, PhD (Laval)  
417-4859

Lecturer **Thea Scantlebury-Manning**  
BSc, PhD (Concordia)  
417-4356

\* On Sabbatical Leave

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Lecturer	<b>Lyndon D. Waterman</b> BSc, PhD (UWI) 417-4331	Lecturer	<b>Leah Garner-O'Neale</b> BSc, PhD (UWI) 417-4343
Lecturer	<b>Suzanne Workman</b> BSc (Manch.) MPhil, PhD (UWI) 417-4318	Lecturer	<b>Srinivasa Popuri</b> BSc (Nagarjuna), MSc (DAVV), PhD (SVU) 417-4334
Lecturer	<b>Henri Valles</b> BSc (Oviedo), MSc (UWI), PhD (McGill) 417-4328	Lecturer	<b>Emma Smith</b> BSc (Liverpool), MSc (Heriot-Watt), PhD (Plymouth) 417-4838
Research Fellow in Sports Agronomy	<b>Francis Lopez</b> BSc, PhD (UWI) 417-4345	Lecturer	<b>Avril Williams</b> BSc PhD (UWI) 417-4342

### CHEMICAL SCIENCES

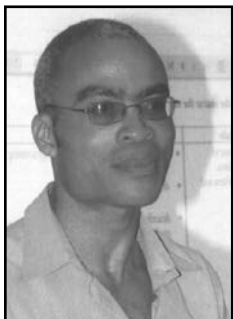
Professor of Theoretical and Computational Chemistry	<b>Sean McDowell</b> BSc (UWI), PhD (Cantab) 417-4352
Professor of Organic Chemistry	<b>Winston Tinto</b> BSc, PhD (UWI), CSci, CChem, FRSC 417-4357/4329
Senior Lecturer	<b>Sergei M. Kulikov</b> MS (Novosibirsk State U.), PhD, DSc (Russ. Acad. Sci.) 417-4351
Lecturer	<b>Jeanese Badenock</b> BSc (UWI) PhD (Dartmouth) 417-4336

### EARTH SCIENCES

Lecturer in Geology	<b>Steven Corder</b> BSc (Open U.), M.RES, PhD (Lanc.) 417-4321
Lecturer in Atmospheric Science	<b>Isabelle Gouirand</b> Lic, PhD (Aix-Marseille I) 417-4837
Lecturer in Renewable Energy	<b>Thomas Rogers</b> B.Eng. (Warwick, UK), MSc (Loughborough, UK) PhD (Nottingham, UK) 417-4158

## Department of Computer Science, Mathematics & Physics

**Tel:** (246) 417-4365  
**Fax:** (246) 438-9198  
**E-Mail:** cmp@cavehill.uwi.edu



Senior Lecturer &  
Head of Department

**Colin Depradine**  
BEng, MSc (Lond.) PhD (UWI)

Lecturer

**John Charlery**  
BSc (UWI), Dip. Trop. Met. (Miami),  
Adv. Dip. (Comp. Sci), MPhil,  
PhD (UWI)  
417-4368

Lecturer

**Dwaine Clarke**  
BSc, MEng, PhD (MIT)  
417-4333

Senior Lecturer

**Colin Depradine**  
BEng, MSc (Lond.) PhD (UWI)  
417-4375

Lecturer

**Thomas Edward**  
BSc, PhD (UWI)  
417-4792

Lecturer

**Jeffrey Elcock**  
BSc (UWI), MSc. (Oxon.)  
Ph.D. (UWI)  
417-4380

Administrative Assistant **Wavney Weekes**

Stenographer/Clerk **Geniveve Harris**

Stenographer/Clerk **Deidre Jemmott**

Stenographer/Clerk **Tanya Taylor**

Lecturer

**Curtis Gittens**  
BSc (UWI), MSc, PhD (W. Ont.)  
417-4473

### COMPUTER SCIENCE

Lecturer

Senior Lecturer **Hadrian Peter**  
BSc, MSc (Ohio), PhD (UWI)  
417-4370

Lecturer

**Hussein Thompson**  
BSc, PhD (UWI)  
417-4558

Lecturer **Adrian Als**  
BSc, MPhil (UWI), PhD  
(Sheffield Hallam)  
417-4793

Lecturer

**Paul Walcott**  
BSc, MPhil (UWI), PhD (City)  
417-4372

FACULTY OF SCIENCE AND TECHNOLOGY  
STAFF DIRECTORY 2012-2013

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**MATHEMATICS**

Professor of  
Mathematical Statistics      **Smail Mahdi**  
BSc, MSc (Constantine),  
PhD (Montreal)  
417-4367

Emeritus Professor  
of Mathematics      **Charles Cadogan**  
BSc (Lond-UCWI) PhD (UWI),  
FTICA  
417-4363

Senior Lecturer      **Jayaram Chillumuntala**  
MSc (Andra), PhD (Madras)  
417-4462

Lecturer      **Peter Chami**  
BSc, PhD (UWI)  
417-4369

Senior Lecturer      **Jonathan R. Funk\***  
BSc, MSc (Sask.) PhD (McGill)  
417-4383

Lecturer      **Bernd Sing**  
Dipl. (Tübingen), PhD (Bielefeld)  
417-4737

Lecturer      **Guangyu Zhao**  
A.S. (Yunnan), MSc (Kunming)  
PhD (Michigan State U)

**PHYSICS & ELECTRONICS**

Professor of  
Theoretical  
Physics      **Tane Ray\***  
BSc, (Illinois), PhD (Boston)  
417-4377

Professor of  
Condensed Matter  
Physics      **Upindranath Singh\***  
BSc, MPhil. (UWI)  
MSc, PhD (Delaware)  
417-4376

Emeritus Professor  
of Physics      **L. Leo Moseley**  
BSc, MSc (UWI), PhD (Wales)  
417-4373

Senior Lecturer      **Peter Gibbs**  
BSc, Dip.Ed. (UWI), MSc (Guelph)  
417-4373

Senior Lecturer      **Janak Sodha**  
BSc, MSc, PhD (Manch.)  
417-4573

Lecturer      **Sujit Bag**  
B.Tech. (IIT Kharagpur), PhD (Leic.)  
417-4851

Lecturer      **Carlos Hunte**  
BSc, MPhil., PhD (UWI)  
417-4382

Lecturer      **Ramon Sargeant**  
BSc, MPhil.,(UWI)  
MSc (King's College, London)  
417-4381

\* On Sabbatical Leave

Visiting  
Lecturer

**Argenis Da Saliva**  
BSc, MSc (Oriente), PhD  
(Louisiana State)  
417-4790

Temporary  
Lecturer

**Andre Lynch**  
BSc (UWI),  
MSc (Kingston Univ. [London])  
417-4129

Visiting  
Professor

**Mauri Valtonen**  
PhD (Cambridge)

## The Caribbean Institute For Meteorology & Hydrology

is an Affiliate Institution whose Faculty members teach our  
degree programme in Meteorology

**Tel:** (246) 425-1362  
**Fax:** (246) 424-4733  
**Website:** <http://www.cimb.edu.bb>

Director

**David Farrell**  
BSc (W. Ont.), MSc, PhD (Manitoba)  
425-1367

Senior Lecturer

**Adrian Trotman**  
BSc (UWI), MSc (Reading),  
MPhil. (UWI)  
425-1362

Lecturer

**Cedric Van Meerbeeck**  
Lic. (Ghent), MSc (Ghent),  
Phd (VD Univ. Amsterdam)  
425-1362

Lecturer

**Shawn Boyce**  
BSc (UWI), MSc (Newcastle)  
425-1362

Lecturer

**Kathy-Ann Caesar**  
BSc (SUNY) MSc (Texas A & M)  
425-1362

Lecturer

**Margarette Mayers-Als**  
BSc, MPhil (UWI)  
425-1362

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STAFF DIRECTORY 2012-2013

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Lecturer            **Lawrence Pologne**  
BSc (UWI), MSc (Florida State)  
425-1362

Lecturer            **Andrea Sealy**  
BSc (Jackson State),  
MSc (Penn. State), PhD (Howard)  
425-1362

## PRINCIPAL OFFICERS OF THE UNIVERSITY OF THE WEST INDIES

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**Her Majesty the Queen**

### **Chancellor**

**The Hon Sir George Alleyne**

OCC, MD, FRCP, FACP (Hons), Hon. DSc UWI

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**Professor E. Nigel Harris**

BS Howard, MPhil Yale, MD U of Penn, DM UWI

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GCM, BCH, JP, LLD

**Dr Marshal Hall**

CD, BSc Col, PhD Wis

**Mr Ewart Williams**

BSc, MSc UWI

**Sir K. Dwight Venner**

CBE, KBE, BSc, MSc, LLD, UWI – Open Campus

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BSc, PhD UWI

**Professor Ronald Edward Young**

BSc, MSc UWI, PhD St Andrew

**Professor Alvin Wint**

BSc UWI, MBA Northeastern, DBA Harv

**Professor Andrew Downes**

BSc (Hons), MSc UWI, PhD Manc

### **Campus Principals**

**Professor Sir Hilary Beckles - Cave Hill**

BA, PhD Hull

**Ambassador Professor The Hon Gordon Shirley - Mona**

BSc UWI, MBA, DBA Harv

**Professor Clement Sankat - St. Augustine**

BSc, MSc UWI, PhD, Guelph, MASAE, MAPETT, FIAgrE

**Professor Hazel Simmons-McDonald - Open Campus**

BA, Dip . Ed UWI, MA (Ling), MA (Dev Ed), PhD Stanford

### **Deputy Campus Principals**

**Professor V. Eudine Barriteau - Cave Hill**

BSc UWI, MPA New York, PhD Howard

**Mona - Vacant**

**Professor Rhoda Reddock - St Augustine**

BSc UWI, MSc ISS The Hague, PhD Amst

**Professor Vivienne Roberts - Open Campus**

BSc, DipEd UWI, MEd Tenn, PhD UWI

### **University Registrar**

**Mr C. William Iton**

BSc UWI, LLM Essex

### **University Bursar**

**Mr Archibald Campbell**

BSc MSc UWI, FAC

### **University Librarian**

**Ms Jennifer Joseph**

BA, Dip LS, Dip HR UWI, MLS Columbia

### **Deputy University Registrar**

**Ms Cecile Clayton**

BA UWI, Dip (Foreign Service) Oxf, MSc Amer Univ

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**Robert Leyshon - Cave Hill**

BA, MA, Cert Ed PGCE Lond,

**Brian Meeks - Mona**

BSc, MSc, PhD UWI

**Professor Surujpal Teelucksingh - St Augustine**

MB BS, MBA UWI, FRCP Ed, PhD Edin

**Francis Severin - Open Campus**

(M) BA, MSc, PhD UWI

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**STUDENT AFFAIRS**

Tel: (246) 417-4119

Fax: (246) 438-9145

**Admissions:**

Assistant Registrar	Mr. Rommel Carter BA, MBA	417-4119
Administrative Assistant, Admissions	Ms. Maria Dodson BSc	417-4862
Administrative Assistant, Admissions	Mrs. Deborah Knight	417-4122
Pure & Applied Sciences Faculty Clerk	Mrs. Denise Greenidge	417-4471

**Examinations:**

Assistant Registrar	Miss. Betty Thorpe BSc, MSc, ACIS	417-4133
Administrative Assistant	Mrs. Eudine Spooner	417-4139
Administrative Assistant	Ms. Ingrid Lashley	417-4135
Stenographer/Clerk	Miss Ann Arthur	417-4137

**Records:**

Administrative Assistant	Miss Nakita Squires, BSc.	417-4140
Stenographer/Clerk (Transcripts & Academic Records)	Ms. Esther Layne, BSc.	417-4143

**School for Graduate Studies and Research:**

Senior Assistant Registrar	Mr. Kenneth Walters	417-4902
Administrative Assistant	Mrs. Anita Kinch, B.A.	417-4909
Administrative Assistant	Ms. Maureen Mullin	417-4910
Pure & Applied Sciences Faculty Clerk	Miss Tara Moseley, BSc.	417-4905







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CAVE HILL CAMPUS, UWI