

TEACHING FACULTY

Prof. A.R.T. de Silva

B.Sc. (Cey), Ph.D. (Cambridge), C. Eng.,
FIE (SL), FIMMM

Mr. V.S.C. Weragoda

BSc Eng. (Moratuwa), MPhil (Moratuwa)

Prof. R.G.N. de S. Munasinghe

MSc (Berlin), PhD (Berlin), C. Eng., MIE (SL)

Dr. N.M.V.K. Liyanage

BSc (Colombo), PhD (CNAA, UK)

Dr. S.U. Adikary

BSc Eng. (Moratuwa), MSc, PhD (Hong Kong),
C. Eng., MIE (SL)

Mr. V. Sivahar

BSc Eng. (Moratuwa), MPhil (Moratuwa)

Dr. G.I.P. De Silva

BSc Eng. (Moratuwa), M.Phil (Moratuwa),
PhD (Kochi, Japan), AMIE (Sri Lanka)

Mr. A.M.P.B. Samarasekara

BSc Eng. (Moratuwa), MPhil (Moratuwa),
AMIE (Sri Lanka)

Dr. D. Attygalle

BSc. (Colombo), PhD. (TOLEDO, USA)

Eng. S.P. Guluwita

BSc Eng. (Moratuwa), M.Sc. (Peradeniya), M.Phil
(Moratuwa), C. Eng., MIE (SL)

Dr. D.A.S. Amarasinghe

BSc (Kelaniya), MSc (Moratuwa),
M.Phil (CUNY, USA), PhD (CUNY, USA)

Dr. A.S. Galhenage

B.Sc. Eng. (Moratuwa), M.Sc. (Moratuwa),
Ph.D. (Japan),)

Prof. S.M.A. Nanayakkara

BSc Eng. (Moratuwa), M.Eng (Tokyo), DEng (Tokyo)

Prof. S.W.S.B. Dasanayake

B. A. (Econ – Sp) Hons. Peradeniya Sri Lanka
M. A. Econ, ISS Hague-Netherlands,
Ph.D. (Econ) Erasmus.

Dr. V.P.T. Jayawardane

PhD, MPhil, BSc(Engineering)(NZ),
LLB(Hons)(London), MA(Kelaniya), MCIM(UK),
MSLM(SL). Dip.M(UK). AMA(USA).AMIE(SL).

COURSE FEES

- Registration Fee : 1st year – Rs 1,000/=
2nd year – Rs 500/=
 - Examination Fee : Rs 1,000/= per year
 - Tuition Fees : PG Dip – Rs 200,000/=
M.Sc. – Rs 250,000/=
- (Tuition fees can be paid in two installments)
- Library Deposit : Rs 2,500/=

REGISTRATION

Selected candidates may register for the PG Diploma or the M.Sc. Degree.

INQUIRIES

Mr. V. Sivahar

Course Coordinator,

M.Sc. / PG Diploma in Materials Science,

Department of Materials Science and Engineering,

University of Moratuwa,

Moratuwa, 10400.

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Web : <http://www.mrt.ac.lk/material/>

Closing Date of Application: **28th April 2017**



M.Sc. / PG Diploma in MATERIALS SCIENCE

(2017/2018)



Department of Materials Science and
Engineering
University of Moratuwa
Sri Lanka

Tel : +94 – 11 – 2640440, +94 – 11 – 2650465
Fax : +94 – 11 – 2650465
Web : <http://www.mrt.ac.lk/material/>
E-mail : vsivahar@uom.lk

MSc / PG Dip in Materials Science

OBJECTIVES

To enhance the knowledge of Materials Science of those with Engineering or Physical Sciences background in order to meet the demands of the industry and to contribute to the socio-economic development of the country.

TARGET GROUP

Engineers, Scientists and Technologists working in industry, research institutes and academic establishments.

ENTRY REQUIREMENTS

A person is eligible to follow this course if he/she has one of the following:

- The degree of the Bachelor of Science of Engineering of University of Moratuwa.
- Any other four year degree in Engineering, Science or Technology in a relevant field from a recognized university.
- Any other three year degree in Engineering, Science or Technology in a relevant field from a recognized university with a minimum of one year appropriate experience.
- Any recognized category of membership of a professional institution, obtained through an academic route, and a minimum of one year of appropriate experience after obtaining such membership.

COURSE CONTENTS

MASTER OF SCIENCE				
POST GRADUATE DIPLOMA				
YEAR 1	SEMESTER 1	Introduction to Materials Science	Compulsory	Laboratory work, Assignments, Seminars, Attendance
		Corrosion & Degradation of Materials		
		Introduction to Advanced Materials		
		Total Quality Management		
		Project on Materials Science		
		Metals & Alloy Systems	Electives	
		Cement & Concrete		
		Ceramic Science & Technology		
		Polymer Science & Technology		
		Composite Materials		
		Non Destructive Testing of Materials		
	SEMESTER 2	Advanced Instrumental Techniques in Materials Science	Compulsory	
		Selection of Materials for Engineering Applications		
		Failure Analysis of Engineering Components		
		Industrial Economics & Management		
		Advanced Physical Metallurgy	Electives	
		Industrial Manufacturing Systems		
		Nano Materials		
		Advanced Ceramics		
		Advanced Polymer Processing		
		Dies & Moulds for Material Processing		
		Material Recycling		
YEAR 2	Research Project			

DURATION

- Postgraduate Diploma -12 months
- Master of Science - 21 months

All lectures and laboratory classes will be conducted during weekends (Saturdays and Sundays) and holidays from 8.00 am to 6.00 pm.

EVALUATION

- Written examinations
- Successful completion of laboratory work and projects
- Seminars
- Assessment of the individual research project through final seminar and oral examination and submission of dissertation. (M.Sc. programme only)

