

CURRICULUM VITAE

GREGORY WESSELS

Revised: May 2006



PERSONAL INFORMATION

Date of birth: 25/09/1979
Nationality: [South African](#)
Home language: English
Other languages: Afrikaans (read, write, speak)

Address: 7 Avenhoorn Rd,
Woodbridge Island,
Milnerton,
7441
South Africa

Tel: +27 (0) 21 551 2888 (home)
+27 (0) 84 364 8401 (mobile)

Fax: +27 (0) 21 551 3116

Email: gregwesselssa@gmail.com

ACADEMIC QUALIFICATIONS

- 2006: Management Advancement Programme (MAP)
[University of the Witwatersrand](#), South Africa. Completion of final exam is to be in September 2006.
- 2005: MSc Mechanical Engineering
[University of Cape Town](#), South Africa
Thesis title: The design and testing of a constrained proximal humeral total shoulder replacement (TSR).
[MARKS](#)
- 2001: BEng Mechanical Engineering
[University of Stellenbosch](#), South Africa.
[MARKS](#)
- 1997: **Independent Examinations Board**, Senior Certificate Examination
Passed with University Endorsement
Distinctions: Woodwork
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OTHER QUALIFICATIONS AND ACHIEVEMENTS

- 2005: [Acorn Technologies, Hellfire Internship Programme](#): Accepted onto the one year programme for July 2005 to July 2006.
- 2004: [Table Bay Sailing Regatta](#): Second place in Western Province champs in the L34 class.
- 2002: [South African Hang Gliding and Paragliding Association](#): Basic paragliding licence.
- 2001: Second best presentation for final year Mechanical Engineering project.
NAUI Scuba Diver: Open water
- 1999: St. John First Aid: Level 1
South African River Association: Level 1 Guide
- 1997: Hostel Prefect, [Wynberg Boys' High School](#), Cape Town, South Africa
Received Academic Tie (consistent average over 70 %)
Woodwork Prize for the top woodworker in the standard
- 1996: Woodwork Prize for the top woodworker in the standard
Received Academic Tie (consistent average over 70 %)
Silver Medal University of Cape Town maths Olympiad

Top woodworker for the standard from 1993 – 1997

SPORT, CULTURE AND EXTRA MURAL ACTIVITIES

- 2004: The [University of Cape Town Yacht club](#): Took part in the intervarsity competition.
- The [University of Cape Town Mountain and Ski club](#): committee member
UCT Boland 90 Hiking team
UCT Jaboolie league water polo
- 2003: Summited [Mont Blanc](#) 4807m Alps, France
- 2002: Travelled in North, central and south America over twelve months
Summited [Pisco](#) 5752m Cordillera Blanco, Peru
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WORK EXPERIENCE

- 2006 [One Eighty Degrees \(PTY\)Ltd](#), Cape Town South Africa. Development Engineer. July 2005 – Present
- 2005: [African Odyssey](#), California, USA. Forman
- 2004: [African Odyssey](#), California, USA. Head of setup
- 2003: [African Odyssey](#), California, USA. Set up crew
- 2002: [African Odyssey](#), California, USA. Setup crew and driver
[Sugar Bowl Ski Corporation](#), California, USA. Ski rental shop employee and night security.
- 2001: [African Odyssey](#), California, USA. Setup crew
- 2000: [Sugar Bowl Ski Corporation](#), California, USA. Ski rental shop employee
[Marine and Mineral Projects](#), Cape Town, South Africa. Student Engineer
[Felix Unite River Adventure](#), Namibia. River Guide
[African Odyssey](#), California, USA. Setup crew
- 1999: [Escape Gauges](#), Cape Town, South Africa. Machine operator
[Felix Unite River Adventure](#), Namibia. River Guide
- 1997: [Felix Unite River Adventure](#), Namibia. Second to guide
- 1996: [Felix Unite River Adventure](#), Namibia. Second to guide
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REFERENCES

Africa Odyssey:

Mrs. Sheila Sharmen
262 Silver Eagle Way,
Vacaville, CA,
95688, USA
Tel: +1 707 448 1103
e-mail: sheilasharman@hotmail.com

Marine and Mineral Projects (PTY)Ltd: Mr. Robert Denovan, Director

Block B Aintree Park
Loch Road
Kenilworth, 7708
South Africa
Tel: +27 21 763 3940/79

One Eighty Degrees (PTY)Ltd:

Dr. Janet Basson, Managing Director
Block 2B, Techno Square,
42 Morningside Rd,
Pinelands
7405
Tel: +27 21 531 0174 (office)
+27 72 248 8982 (mobile)
e-mail: janet@one-eighty-degrees.com

**University of Stellenbosch:
Mechanical Engineering Department**

Mr. Robert Dobson
Tel: +27 21 808 4268
e-Mail rtd@ing.sun.ac.za

Vincent Pallotti Hospital:

Dr. Keith Hosking
Tel: +27 21 532 3203 (rooms)
+27 83 440 0969 (mobile)

INTERESTS AND HOBBIES:

- Rock climbing
- Paragliding
- Sailing
- Kayaking
- Snowboarding
- Woodwork

APPENDIX

Masters Degree

These marks are downloaded from the
[University of Cape Towns website](#)

Academic Record

Name: **MR GREGORY DAVID WESSELS**

Student Number: **WSSGRE004**

Year:**2005**

Programme:**ENGM01-MSC(ENG)**

Stream:**MECHANICAL ENGINEERING**

Stage:**0**

Progress Code:**QUA**

<u>Course Code</u>	<u>Course Name</u>	<u>Perc.</u>	<u>Symbol</u>
END550X	MASTERS PAPER REQUIREMENT		PA**
MEC510Z	MASTERS IN MECH.ENG.- DISSERTAT.PART		PA**
MEC563Z	AN INTRODUCTION TO FINITE ELEMENTS	83	1

Year:**2004**

Programme:**ENGM01-MSC(ENG)**

Stream:**MECHANICAL ENGINEERING**

Stage:**0**

Progress Code:**CON**

<u>Course Code</u>	<u>Course Name</u>	<u>Perc.</u>	<u>Symbol</u>
MEC510Z	MASTERS IN MECH.ENG.- DISSERTAT.PART	0	OS***
MEC563Z	AN INTRODUCTION TO FINITE ELEMENTS	0	OS***
MEC579Z	PROP & MANF OF METALLIC MATERIALS	72	2+

Year:**2003**

Programme:**ENGM01-MSC(ENG)**

Stream:**MECHANICAL ENGINEERING**

Stage:**0**

Progress Code:**CON**

<u>Course Code</u>	<u>Course Name</u>	<u>Perc.</u>	<u>Symbol</u>
HUB203W	ANATOMY FOR BIOMEDICAL ENGINEERS	64	2-
HUB213S	PHYSIOLOGY:HUMAN PHYS OF ORGAN SYST	59	3
HUB214F	HUMAN PHYS:MAINTENANCE OF HOMEOSTAS	60	2-
HUB407F	BIOMECH OF MUSCULOSKELETAL SYSTEM	80	1
MEC510Z	MASTERS IN MECH.ENG.- DISSERTAT.PART	0	OS***
MEC551Z	MECHANICAL ENGINEERING PROJECT	0	AB*
MEC563Z	AN INTRODUCTION TO FINITE ELEMENTS	0	AB*
MEC564Z	FINITE ELEMENT ANALYSIS	83	1

*AB - Absent

**PA - Pass

***OS - Out Standing

Undergraduate Degree

These marks are downloaded from the
University of Stellenbosch website

http://admin.sun.ac.za/records/acad_index.html

Student number: 12930164

Pin: 5470

Student number	Student
12930164-1998	MR GDC WESSELS

Fourth and Final Year of Study 2001

BEng (Mechanical) (4Yr) F

(NON OFFICIAL DOCUMENT)

PM = Achievement mark (half year mark for year module)
AM = Final mark (final mark for specific module)
CM = Class mark (entry to exam mark)
= Mark is not available/Not applicable

YrMth	Code	Crd	Module	PM	CM	AM	Comment
200106	19933-414	13	Fluid machinery a	#	57	66	PASSED
200106	33928-414	13	Heat transfer a	#	56	61	PASSED
200106	36242-412	7	Experimental techniques	#	66	66	PASSED
200106	41726-414	13	Finite element methods	#	61	67	PASSED
200106	46132-411	3	Communication	#	#	69	PASSED
200106	50431-414	13	Environmental engineeri	#	86	75	PASSED WITH DISTINCTION
200106	50458-414	13	Mechatronics	#	60	67	PASSED
200111	18791-444	13	Engineering economy	#	67	58	PASSED
200111	21466-444	13	Mechanical design	#	#	66	PASSED
200111	23469-454	13	Production	#	58	63	PASSED
200111	39179-478	30	Mechanical project	30	#	75	PASSED WITH DISTINCTION
200111	40150-441	1	Vacation training	#	#	#	ATTENDED SATISFACTORILY
200111	51373-444	13	Engineering management	#	56	56	PASSED

Third Year of Study 2000

BEng (Mechanical) (4Yr) N (NON OFFICIAL DOCUMENT)

PM = Achievement mark (half year mark for year module)

CM = Class mark (entry to exam mark)

AM = Final mark (final mark for specific module)

= Mark is not available/Not applicable

YrMth	Code	Crd	Module	PM	CM	AM	Comment
200006	16020-314	10	Machine design a	#	#	61	PASSED
200006	19739-314	10	Strength of materials w	#	56	57	PASSED
200006	30317-312	5	Computer programming	#	#	72	PASSED
200006	30333-314	10	Material science b	#	74	67	PASSED
200006	33871-314	10	Fluid mechanics a	#	64	57	PASSED
200006	34134-324	10	Manufacturing processes	#	#	66	PASSED
200006	36323-312	5	Numerical methods	#	70	61	PASSED
200011	12491-344	10	Electronics	#	88	61	PASSED
200011	16020-344	10	Machine design a	#	#	73	PASSED
200011	19674-342	5	Statistics for scientis	#	90	75	PASSED WITH DISTINCTION
200011	33898-344	10	Thermodynamics b	#	70	66	PASSED
200011	33901-344	10	Fluid mechanics b	#	55	50	PASSED
200011	40150-341	1	Vacation training	#	#	#	ATTENDED SATISFACTORILY
200011	46140-344	10	Dynamics a	#	49	58	PASSED
200011	51381-342	5	Maintenance theory	#	83	76	PASSED WITH DISTINCTION

Second Year of Study 1999

BEng (Mechanical) (4Yr) N (NON OFFICIAL DOCUMENT)

PM = Achievement mark (half year mark for year module)	CM = Class mark (entry to exam mark)
AM = Final mark (final mark for specific module)	# = Mark is not available/Not applicable

YrMth	Code	Crd	Module	PM	CM	AM	Comment
199906	12599-214	12	Electrotechnique	#	#	73	PASSED
199906	19712-214	12	Strength of materials	#	#	67	PASSED
199906	20753-224	12	Applied mathematics b	#	#	61	PASSED
199906	30325-234	12	Material science a	#	#	77	PASSED WITH DISTINCTION
199906	38571-214	12	Engineering mathematics	#	#	65	PASSED
199911	19739-254	12	Strength of materials w	#	#	65	PASSED
199911	33839-244	12	Theory of machines_a	#	#	75	PASSED WITH DISTINCTION
199911	33863-244	12	Thermodynamics a	#	#	52	PASSED
199911	38571-244	12	Engineering mathematics	#	#	54	PASSED
199911	39705-244	12	Introductory machine de	#	#	75	PASSED WITH DISTINCTION
199911	40142-241	1	Workshop practice	#	#	#	ATTENDED SATISFACTORILY

First Year of Study 1998

BEng (Mechanical) (4Yr) E

(NON OFFICIAL DOCUMENT)

PM = Achievement mark (half year mark for year module)	CM = Class mark (entry to exam mark)
AM = Final mark (final mark for specific module)	# = Mark is not available/Not applicable

YrMth	Code	Crđ	Module	PM	CM	AM	Comment
199806	13021-124	12	Physics (eng.)	#	#	66	PASSED
199806	20753-124	12	Applied mathematics b	#	#	77	PASSED WITH DISTINCTION
199806	38571-115	12	Engineering mathematics	#	#	68	PASSED
199806	46825-124	12	Engineering drawings	#	#	72	PASSED
199806	49484-124	12	Engineering chemistry	#	#	83	PASSED WITH DISTINCTION
199811	12610-144	12	Electrotechnology	#	#	75	PASSED WITH DISTINCTION
199811	19712-142	6	Strength of materials	#	#	72	PASSED
199811	20753-154	12	Applied mathematics b	#	#	75	PASSED WITH DISTINCTION
199811	38571-145	12	Engineering mathematics	#	#	68	PASSED
199811	38598-144	12	Machine technology	#	#	75	PASSED WITH DISTINCTION
199811	46817-142	6	Computer applications	#	#	84	PASSED WITH DISTINCTION