HR191	**POSITION DESCRIPTION**	UNIVERSITY OF CAPE TOWN IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD

NOTES

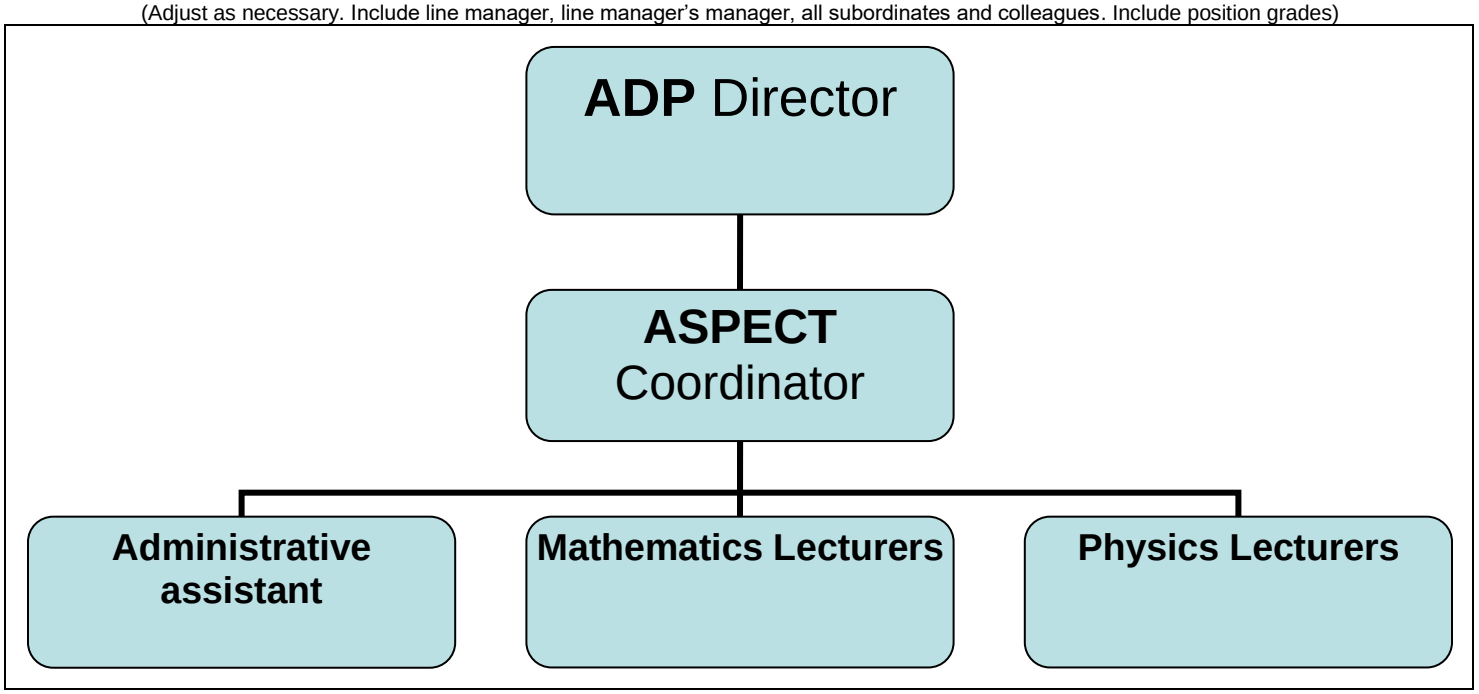
- Forms must be downloaded from the UCT website: http://forms.uct.ac.za/forms.htm
- This form serves as a template for the writing of position descriptions.
- A copy of this form is kept by the line manager and the position holder.

POSITION DETAILS

Position title	Lecturer / Senior Lecturer: ASPECT Physics		
Job title (HR Practitioner to provide)			
Position grade (if known)	Lecturer / Senior Lecturer	Date last graded (if known)	
Academic faculty / PASS department	CHED		
Academic department / PASS unit	ADP		
Division / section	ASPECT		
Date of compilation	June 2020		

ORGANOGRAM

(Adjust as necessary. Include line manager, line manager's manager, all subordinates and colleagues. Include position grades)



PURPOSE

The main purpose of this position is to continue the tradition of excellence in teaching physics to those engineering students who have chosen to reduce their course load in the first year and are thereby registered on a 5 year degree programme. The position is one of just 5 academic positions in the ASPECT programme and therefore also requires that the incumbent contribute more broadly to the goals of the programme.

CONTENT

Key performance areas		% of time spent	Inputs (Responsibilities / activities / processes/ methods used)	Outputs (Expected results)
1	Teaching	60	Teach Physics at the first year level to a class ranging in size from 50 to 150. This involves a double lecture period contact time each day (lecture / tutorial) and at least one afternoon 3 hour session of workshop type problem solving activities. Use both traditional chalk board and newer computer based approaches in the classroom to effectively engage students with the material. Design and run assessments at sufficiently frequent intervals so that students are aware of the requirements of the course and are receiving quality feedback. Work with a given syllabus but conceptualize how best to achieve student engagement with the concepts.	Strive for a high percentage pass rate and an improved understanding of the subject for the majority of the students. Prepare students with the tools and ways of thinking they will need as they move into 2nd year engineering courses and beyond.
2	Research	30	Engage in individual and collaborative research in physics / engineering education; and in other areas of your interest. Contribute towards a greater understanding of the dynamics of learning in engineering within the setting of a face to face institution in South Africa.	The publication of research results in reports, conferences and peer reviewed journals. The application of the results of this and other research in the classroom. Become a reflective practitioner in all teaching.
3	Administration	10	Administer the courses that you teach. Contribute to the administration of the ASPECT Unit where possible, particularly in the engagement in staff meetings.	Well run course. Participation in CHED and EBE committees.

MINIMUM REQUIREMENTS

Minimum qualifications	MSc in Physics / Engineering or in Science / Engineering education			
Minimum experience (type and years)	Teaching physics in a tertiary institution for 3 years			
Skills	Communication; interpersonal; writing; computer			
Knowledge	Core physics disciplinary knowledge; some pedagogical knowledge			
Professional registration or license requirements				
Other requirements (If the position requires the handling of cash or finances, other requirements must include 'Honesty to handle cash or finances'.)	A passion for teaching and having the students' interests at heart. An ability to engage students with empathy and concern for their well-being			
Competencies (Refer to UCT Competency Framework)	Competence	Level	Competence	Level
	Communication		Teaching	
	Teamwork		Research	
	Participation in committees			
	Articulating ideas			