1 Personal information and CV

- The CV is added as a separate Appendix to the BKO portfolio.

A General information

1. Personal Information	
Name (title, initials, name), first name, M/F?	Prof. dr. ir. C. H. van der Wal - Caspar - Male
Year of birth	1971
Faculty	FMNS
Actual University Job Ranking	Associate professor
Employment at RUG (in hours/week)	40
Employment for teaching tasks (in fte)	Guideline is 0.5 fte for education and management
Course in which you are the principal lecturer	(Applied) Physcics and Top Master NanoScience

2. Experience as a lecturer	
Number of years as a lecturer in higher education	17
Other experience as a teacher?	Tutor for Physics bachelor students (USA, 1989-1990)
Remarks:	

3. Courses and program in which you participate	Never	Sometimes	Regularly
Own bachelors program, including minor			X
Bachelor program other courses	X		
Own master program			X
Master programs other courses	X		

B Experience in education

4. Experience with education	Little	Moderate	Much
Direct preparation and performing a lecture			X
Designing a course			X
(Re)designing curriculum			X
Coordinating or management tasks			X

5. Your experience regarding teaching methods	Little	Moderate	Much
Lecture			X
Tutorial			X
Guided study			X
Lab work		X	
Educational Projects			X
Problem Based Learning		X	
Case-studies		X	
Computer based education		X	
Individual teaching (AIO, thesis)			X

6. Experience using (multi)media	Little	Moderate	Much
Simple visual media			X
Written material and hand-outs			X
Digital learning environment (TeleTOP, Blackboard)			X
Remarks:			

7. Experience with assignments	Little	Moderate	Much
Construction of assignments			X
Evaluation of written materials			X
Evaluation of electronic results		X	
Remarks:			

8. Subjects for which you were the coordinating lecturer:

	Subject code	Name subject	Teaching method	Course load	Academic program and period
1	NAKF1-11	Quantum physics 1	Lecture and tutorial	5 ECTS, ~100 students	BSc (Applied) Physics and Astronomy, 2004-present
2	NS000	Guided self-study in NanoScience	Supervised self-study	6 ECTS, ~15 students	Top Master NanoSciene, 2010-present
3	NS003a	Fundamental and functional properties of nano-materials	Lecture and tutorial, paractical	13 ECTS, ~15 students	Top Master NanoSciene, 2010-present
4	NS194	Small research project and student symposium	Individual project and group task	13 ECTS, ~15 students	Top Master NanoSciene, 2010-present
5	NS202	Research proposal	Individual project	6 ECTS, ~15 students	Top Master NanoSciene, 2010-present
6		Tutor and mentor system	Individual coaching	~15 students	Top Master NanoSciene, 2010-present

9. Subects for which you were a co-lecturer					
	Subject code	Name subject	Teaching method	Course load	Academic program and period
1	NAITEN-10	Physics of modern technology	Lecture and tutorial	5 ECTS, ~20 students	BSc Applied Physics, 2010-present
2	NS190	Research paper	Individual project	6 ECTS, ~1 student	Top Master NanoSciene, 2004-present
3	NS194	Small research project and student symposium	Individual project	13 ECTS, ~1 student	Top Master NanoSciene, 2004-present
4	NS202	Research proposal	Individual project	6 ECTS, ~1 student	Top Master NanoSciene, 2004-present
5	-	Tutor system BSc (Applied) Physics	Coaching of individuals and a small group	~10 students	BSc Applied Physics, 2006-present
6	-	Tutor system Top Master NanoScience	Individual coaching	~2 students	Top Master NanoSciene, 2004-present
7	-	BSc and MSc student research projects	Individual project	~7 students per year	BSc+MSx (Applied) Physics Top Master NanoScience, 2004-present

10. Training in the field of education				
Name course	Provider	Result	Course load	Year
Goed werkcollege geven	DidO, TU Delft	Certifcate	20 hours	1997
Workshop for developing a tutor system for BSc Physics, and training of tutor skills	StudieOndersteuning, RuG	Full participation, informal completion	20 hours	2007
UTQ/BKO course FMNS	UOCG + FMNS, RuG	Full participation, informal completion	28 hours	2009-2010
Workshop on Peer Instruction by Eric Mazur (also presenter)	Physics, FMNS, RuG	Full participation, informal completion	16 hours	2012
Workshop on activating teaching methods (also presenter on Peer Instruction)	ICAB (InnovatieCentra Academisch Betaonderwijs)	Full participation, informal completion	8 hours	2013

11. Teaching methods which you plan to use in the near future	Little	Moderate	Much
Lecture			X
Tutorial			X
Guided study			X
Lab work		X	
Educational Projects			X
Problem Based Learning		X	
Case-studies		X	
Computer based education		X	
Individual teaching (AIO, thesis)			X
Other:……..			

C. Evaluation didactic knowledge and skills

Important: Indicate for each of the 45 statements to what extent you've objectively mastered the skill that is described in the statement. The way you score a given item is an indication of your experience with the described situation.
Scores must be read as: 1=none; 2=some; 3=adequate; 4=good; 5=excellent; n=not applicable.

Knowledge/skill	***1***	***2***	***3***	***4***	***5***	***n***
Design courses	***1***	***2***	***3***	***4***	***5***	***n***
1. Formulate learning goals for a course (part of a course)					X	
2. Choosing teaching methods to achieve certain learning goals					X	
3. Preparation of a lecture, including lecture scheme, PowerPoint, assignments, student activity					X	
4. Design a course (minimum 6 meetings) including selection of course content and course planning					X	
5. Design of lab work, including assignments and planning					X	
6. Design of project or problem based learning (PBL), including assignments, PBL task description and a study guide				X		
7. Design of electronic learning environment, digital content				X		
8. Write study material in English					X	
9. Knowledge of the professions for which the degree program prepares students					X	
10. Knowledge of the benchmarks for the degree program your course is part of					X	
Elucidation:						
Practice as teacher	***1***	***2***	***3***	***4***	***5***	***n***
11. Presentation/teaching skills					X	
12. Performing a lecture, including presenting study material, involving students, posing questions to students, handling questions from students					X	
13. Assist with lab-work, including organization of assistance, involving students					X	
14. Monitoring of electronic learning environment, providing feedback to students				X		
15. Teaching in English					X	
16. Teaching to student groups of diverse cultural background					X	
Elucidation:						
Coaching students (e.g. PHD students)	***1***	***2***	***3***	***4***	***5***	***n***
17. Formulate a graduation assignment or internship assignment, including coaching plan					X	
18. Coaching students during bachelor project or stage, including providing feedback					X	
19. Coaching groups of students during independent study assignments or PBL, including providing feedback					X	
Elucidation:						

Knowledge/skill	1	2	3	4	5	n
Assessment of student progress	**1**	**2**	**3**	**4**	**5**	**n**
20. Knowledge concerning formative and summative assessments					X	
21. Knowledge concerning alternative forms of assessment; e.g. peer-assessment, presentation, written report					X	
22. Constructing multiple choice questions to assess reproductive knowledge, including correction model					X	
23. Constructing open test questions including correction model					X	
24. Determining norms for passing grades for an exam or test					X	
25. Taking verbal exams, including correction model					X	
26. Analyzing an exam or test					X	
27. Establish criteria for assessing students results on lab work, determining achieved learning goals					X	
28. Establish criteria for assessing results on a bachelor project or stage, determining achieved learning goals					X	
29. Establish criteria for assessing results on project or PBL, determining achieved learning goals					X	
Elucidation:						
Evaluation of teaching	**1**	**2**	**3**	**4**	**5**	**n**
30. Evaluation of own lectures					X	
31. Construct an evaluation for a course (part of a course)					X	
32. Provide feedback on evaluation results and formulate steps for improvement based on evaluation results					X	
33. Contribute to evaluation of the degree program					X	
Elucidation:						
The organization of education	**1**	**2**	**3**	**4**	**5**	**n**
34. Working in a team, coordinating activities with other lecturers					X	
35. Logistic support of teaching materials, written exams, student administration, progress reports					X	
36. Understands regulations relevant for education, including exam regulations (OER), and the role of relevant bodies, including examination board, program board					X	
Elucidation:						
Didactic professionalism	**1**	**2**	**3**	**4**	**5**	**n**
37. Reflects on functioning as a lecturer and is able to set up a reflection report					X	
38. Can formulate a personal vision on education					X	
39. Observes other lecturers and provides feedback					X	
40. Analyses video-recordings of own lectures				X		
41. Formulates and maintains a personal development planning					X	
42. Knowledge concerning developments for teaching at secondary school and at University (e.g. competency based learning)				X		
Elucidation:						

Addition remarks
Did you miss any didactic skills that you have acquired in this self-evaluation form? ○ Transferring enthusiasm for a course. ○ Transferring an academic attitude to the students. ○ Use of vision in, and actual in-depth knowledge of course contents.
Did you miss any didactic skills that you have not yet acquired in this self-evaluation form? ○ Improving a poor work attitude of students.