

Summer School of the Westphalian University of Applied Sciences Gelsenkirchen

Santa Maria, Brazil, 22 August to 01 September, 2023

Lessons on YouTube Channel (closed for registered attendees)

Sponsored by: DAAD (Deutscher Akademischer Austauschdienst)

Locally Organized and Hosted by: Federal University of Santa Maria

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Organising Committee (in alphabetical order by first name):

Prof. Ana Paula Schwarz - UFN
 Prof. Cesar Tadeo Pozzer – UFSM
 Prof. Juergen Paul Znotka – WHS
 Prof. Marcos Cordeiro d’Ornellas – UFSM
 Prof. Raul Ceretta Nunes – UFSM
 Prof. Uwe Strotmann – WHS
 Prof. Valderi Luis Dressler – UFSM
 Prof. Waldemar Zylka – WHS

Lectures Tracks (developed in parallel):

Software Engineering – Prof. Juergen Paul Znotka
 Modern Applied Biotechnology – Prof. Uwe Strotmann
 Medical Physics: Imaging and Therapy – Prof. Waldemar Zylka

Date	Time	Topics	Lecturer	Location
Monday 21/08/23	09.00 – 10.00	Introduction to the summer school	Organization Committee	INPE Auditorium
	10.30 – 12.00	Software Design: Agile Development	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	15.45 – 18.00	Introduction to the German language	Dionei Mathias	INPE Auditorium
Tuesday 22/08/23	09.00 – 10.00	Education in Informatics at the WHS and in Germany and scholarships from German organisation DAAD	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Software Design: Agile Development	Prof. Znotka	INPE Auditorium
	10.30 –	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis

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	12.00			Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Introduction to the projects	All professors	INPE Auditorium
	15.45 – 18.00	Introduction to the German language	Dionei Mathias	INPE Auditorium
Wednesday 23/08/23	09.00 – 10.00	Education in Biotechnology / Chemistry at the WHS and in Germany and scholarships from German organisation DAAD	Prof. Strotmann	INPE Auditorium
	10.30 – 12.00	Software Design: Agile Development	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Practical lesson: student work in projects	All professors	INPE and Pércio Reis and 355
	15.45 – 18.00	Introduction to the German language	Dionei Mathias	INPE Auditorium
Thursday 24/08/23	09.00 – 10.00	Studying in Germany and at the WHS	Prof. Strotmann	INPE Auditorium
	10.30 – 12.00	Software Design: Agile Development	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Practical lesson: student work in projects	All professors	INPE and Pércio Reis and 355
Friday 25/08/23	09.00 – 10.00	Workshop for professors about funding by DAAD for cooperation of universities	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Software Design: Agile Development	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Practical lesson: student work in projects	All professors	INPE and Pércio Reis and 355
Monday 28/08/23	09.00 – 10.00	Introduction to scientific work	Prof. Zylka	INPE Auditorium
	10.30 – 12.00	Software Design: Anti Patterns	Prof. Znotka	INPE Auditorium
	10.30 –	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis

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	12.00			Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Practical lesson: student work in projects	All professors	INPE and Pércio Reis and 355
	15.45 – 18.00	Introduction to the German language	Dionei Mathias	INPE Auditorium
Tuesday 29/08/23	09.00 – 10.00	Education in Medical Physics & Engineering at the WH and in Germany and scholarships from German organisation DAAD	Prof. Zylka	INPE Auditorium
	10.30 – 12.00	Software Design: Design Patterns	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Practical lesson: student work in projects	All professors	INPE and Pércio Reis and 355
	15.45 – 18.00	Introduction to the German language	Dionei Mathias	INPE Auditorium
Wednesday 30/08/23	9.00 – 10.00	funding by DAAD for Brazilian students and researchers for going to Germany	Prof. Zylka	INPE Auditorium
	10.30 – 12.00	Software Design: Design Patterns	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Practical lesson: student work in projects	All professors	INPE and Pércio Reis and 355
	15.45 – 18.00	Introduction to the German language	Dionei Mathias	INPE Auditorium
Thursday 31/08/23	09.00 – 10.00	Scholarships for studying / research in Germany: CAPES and other Brazilian organisations	Prof. Andressa Silveira	INPE Auditorium
	10.30 – 12.00	Software Design: Testing	Prof. Znotka	INPE Auditorium
	10.30 – 12.00	Modern Applied Biotechnology	Prof. Strotmann	Pércio Reis Auditorium
	10.30 – 12.00	Medical Physics: Imaging and Therapy	Prof. Zylka	Room 355
	14.00 – 15.30	Practical lesson: student work in projects	All professors	INPE and Pércio Reis and 355
Friday 01/09/23	09.00 – 12.00	Presentation of the student projects	All professors	INPE and Pércio Reis



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	14.00 – 15.00	Final discussion	All professors	INPE Auditorium

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