

HOCHSCHULE
NIEDERRHEIN
TRAINING TEXTILE AND
CLOTHING TECHNOLOGY EXPERTS



PROFILE

With approximately 12,600 students, Hochschule Niederrhein is one of the largest universities of applied science in Germany. Founded in 1971, the school prides itself on ten faculties, including the Faculty of Textile and Clothing Technology, a 100 year-old institution and a hub for the German fashion industry. Considered one of Europe's most important study locations for young textile and clothing professionals, the Faculty attracts students from 100 different countries each year.

HIGHLIGHT

Lectra and Niederrhein have been partners since 1991. Based on Mönchengladbach campus, the Faculty of Textile and Clothing Technology uses Lectra's full range of fashion solutions – from Design to product development. Its curriculum offers several Bachelor and Master Degrees in textile and apparel design as well as management. The school also focuses on developing close ties with fashion companies to best prepare its graduates for the needs of the industry.

LOCATION

Mönchengladbach, Germany

LECTRA SOLUTIONS

Kaledo® Modaris® Diamino®

At the faculty of Textile and Clothing Technology in Mönchengladbach, students acquire comprehensive knowledge and insights into fashion and apparel while gaining important management and leadership skills. "Lectra solutions are totally aligned with the fashion industry's needs and allow us to offer our students the most relevant education and training to meet today's challenges," says Dr. Michael Ernst, Textile Product Development Professor.

BEING PART OF THE LECTRA FAMILY

"Every day, all over the world, Lectra solutions are used successfully in the fashion industry – the market our graduates target. We cannot educate young people without including Lectra," explains Michael Ernst.

As a long-time user of Lectra solutions, Ernst believes Lectra's expertise and leading-edge technology are imperative for higher fashion education. "I have been working with Lectra solutions for many years, using them as course material for my lectures and research, especially in the 3D sector," he says. The relationship with Lectra is a fruitful cooperation which benefits both partners. "It's a win-win situation I like and which I am proud of. With Lectra's team we have open-minded discussions and we respect and support each other. It's like being part of the Lectra family," he adds.

THE IMPORTANCE OF 3D IN PRODUCT DEVELOPMENT

Today, students generally lack knowledge in product development and forget that the end product itself, fashion and apparel, is key to satisfying the end-consumer. "We tirelessly try to improve their skills in pattern making, of course, but especially in technology for fashion." He believes Lectra solutions are invaluable to a modern product development process.

"Lectra 3D prototyping solution is one of the most innovative and sophisticated solutions used in the fashion industry. It is a must-have for universities intent on building a strong relationship and credibility with fashion companies."

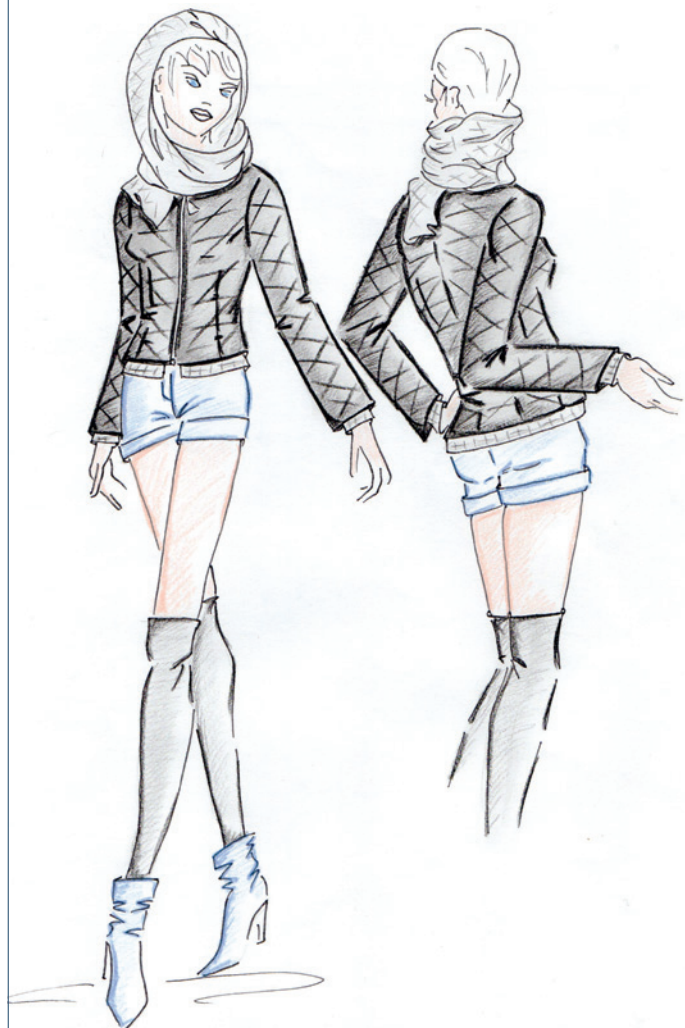
Professor Dr. Michael Ernst explains that students are excited and impressed by Lectra 3D technology and the possibilities it offers in product development. "Working with Lectra 3D enables students to quickly understand the strong links between design, fit and material in apparel development. Thanks to fit sessions with virtual avatars that allow the visualization of different body measurements and poses or body positions, they really come to understand what good fit means."



Lectra in Fashion

With 40 years' experience in fashion and apparel, Lectra's mission is to provide a complete spectrum of design, development, and production solutions to confront 21st-century challenges. From first creative spark to final product, our professional services address an end-to-end process. We support the day-to-day operations of our customers in over 100 countries for around-the-clock process optimization. From fast fashion to luxury to ready-to-wear, Lectra's 23,000 customers in markets as diverse as casual, sports, outdoor, denim, and lingerie represent every development and sourcing model imaginable. Beyond suppliers and manufacturers, they are the brands you love and the stores where you shop.

STUDENT CORNER



Thanks to Lectra's 3D solution, student Nathalie Helzer has developed her own snowboard, skiing (front page) and outdoor collection (above).

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The strengths of Lectra 3D solution lie in the flat pattern making and seamless viewing and interactions with the virtual 3D garment: the ability to work with a 3D simulation from a flat pattern and modify styles easily through changes in the virtual environment. "Lectra 3D technology totally changes the product development process resulting in reduced costs, time and the number of samples," continues Ernst.

He believes these additional pattern-making skills will help graduates more easily find jobs in the fashion industry. "With highly sophisticated solutions, continuous training and innovative guidance, Lectra helps us train the fashion industry experts of tomorrow," he adds.