At the Chair of Logistics and Supply Chain Management of TUM School of Management we are looking for interested and qualified students to conduct their Project Study on the topic:

**Evaluation of a flow based and synchronized supply chain**

The multi-step production process at P&G Braun Walduern plant is a complex activity and is a main driver of manufacturing cost and material & component inventory as well supply chain time. In the last years many new flow-based concepts were developed to improve these business results through synchronizing the supply chain. Some concepts are already used in practice; others are just tested in pilot project or only theoretically developed. The goal of this project study is to analyze the supply chain and define synchronization requirements based on production parameters such as machine takt time, production cycle time and minimum production quantity. The team should work out how to best synchronize the supply chain in scope and identify cost, cash and supply chain time improvements versus the current state.

**Selected research tasks:**

- Analyze Cutting Parts Supply Chain at P&G Walduern plant
- Research flow-based production execution solutions
- Evaluate which solution best fits to the supply chain in scope
- Give interim and final presentations
- Write a report

**Requirements:**

The project study is suitable students with a focus on Operations and Supply Chain Management. The ability to work independently and analytical skills are required. Project duration is 4-6 months. Travel to P&G Walduern and Kronberg sites would be required. The report should be written in English.

**Begin:** As soon as possible  
**Advisor:** tbd  
**Company:** Procter & Gamble  
**Application:** Email with curriculum vitae and transcript of records to logtheses.wi@tum.de