

Handling and Course offers for “**Workshop Scientific Methods**” in the  
Bachelor study courses according to PO 2010

I. General Information

- a) Several different courses can be individually selected and attended to complete the “workshop scientific methods” .
- b) The total number of *credit points* (CP) must be 6.  
Courses for which the number of credit points is not specified (see below) will be valued by the head of the examination board. Before attending new courses please clarify the situation.
- c) New courses which are not listed below have to be agreed upon with the head of the examination board **beforehand** and added to a Learning Agreement.
- d) Every attended course needs to be verified by a written note, which should specify clearly, that the course has been passed (in case of no grades given) and the duration of the course in hours.
- e) Therefore we have developed a **tracking sheet** which can be downloaded from this web site. Please list there the courses you have attended. We may distinguish between following situations:
  - (i) Participation at an elective course including the examination => the signature of the lecturer is not necessary because the result of the examination is recorded in your student account. You have to apply to the examination within the standard procedure. Also your grade is passed by the lecturer to the examination office. Just list name and examination date of the course on the tracking sheet.
  - (ii) Participation at an elective course without passing the examination => the signature of the lecturer or a certificate of attendance is necessary. Please check **at the beginning** of the course what is necessary to receive such a certificate and make sure that you receive either the signature or the certificate just after the end of the course. Be aware of the fact that lecturers are not obliged to give a certificate of attendance. Clarify this directly with the lecturer if not specified below. In these cases students have to pass the examination.
  - (iii) Attendance at one of the seminars offered by the department 07 => the signature of the lecturer on the tracking sheet is necessary
  - (iv) Attendance at seminars offered by the HLL or at the “Summer Academy” or in the language lab => the certificate of attendance (a copy) must be attached to the tracking sheet

After you have received the 6 CP pass the tracking sheet as well as all certificates to your head of the examination board. He will verify the “workshop scientific methods” to your student account. An application for it in the examination application period is not necessary.

## II. Accepted courses

- a) Seminars offered by the department “Textile and Clothing Technology” with special focus on a usage for the “workshop scientific methods”.  
For details please see the dedicated information about those seminars.
- b) Courses by the HLL (ZIK) (**if listed below**).
- c) Some courses by the Summer Academy run by the HN (**listed below**).
- d) *Please be aware of the fact that in general only 50% of participants may belong to a single department to give all students from all departments a chance to apply to a course*
- e) Taking on a tutorial after a successful participation of a tutorial prep-course or offering a revision course. In total a maximum of 2 CP can be credited.
- f) The courses listed below which are part of the elective study catalogue, as long as they are not already used for the elective subject module. **Courses that are not listed cannot be used independent if an examination is made or not.** Attention: not all courses are offered every semester!
- g) Industry seminars, that are methodologically based, e.g. a seminar such as: introduction to SAP. An agreement on this with the head of your examination board is mandatory.
- h) Advanced Language Courses beyond level A-1.1. The amount of credit points is depending on the volume of the course. 10 or 11 units with each two hours are valued with 2 CP. All other volumes must be agreed upon with the head of the examination board in advance. The total number of credit points which can be achieved is limited to 2 CP.
- i) Language courses „Business English for FB 07“ and „Technical English for FB 07“. This option is only possible for students in the German study courses. It is required to pass the exams to get the ungraded certificate. The course is valued with 2 CP each. The upper limit of 2 CP for language courses to be used in “workshop scientific methods” nevertheless applies. Therefore additional language courses cannot be used.
- j) Block seminar MTM (Methods-Time-Measurements = Methodenzeitmessung) at the department „Maschinenbau und Verfahrenstechnik“; more information is available here: <http://www.hs-niederrhein.de/maschinenbau-verfahrenstechnik/personen/limbach/mtm/>  
Attention: the seminar is in German and with costs.  
The seminar is valued with 4 CP.
- k) Participation and certification of a REFA course will be credited with 4 CP when the REFA sheet is presented

III. **NOT** accepted courses are:

- a) Basic Language courses level A-1.1
- b) Courses by the Volkshochschule

## IV. Score points system (CP)

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|----|--|--------|
| a) | 4 hour long elective subject module with exam                                | 4 CP   |
| b) | 4 hour long elective subject module without exam and cert. of participation  | 3 CP   |
| c) | 2 hour long elective subject module with exam                                | 2 CP   |
| d) | 2 hour long elective subject module without exam and cert. of participation  | 1.5 CP |
| e) | Block/continuous course running for 48 hours with exam                       | 4 CP   |
| f) | Block/continuous course running for 48 hours without exam and cert. of part. | 3 CP   |
| g) | Block/continuous course running for 24 hours with exam                       | 2 CP   |
| h) | Block/continuous course running for 24 hours without exam and cert. of part. | 1.5 CP |
| i) | 2-day HLL (ZIK)-course   | 1 CP   |
| j) | 1-day HLL (ZIK)-course   | 0.5 CP |
| k) | Tutorial with tutorial prep-course   | 2 CP   |
| l) | Offering a revision course with tutorial prep-course                         | 2 CP   |

**Elective Courses** (mostly German; number in brackets is hours per week and credit points)

Attention: it is not assured that every course is offered each semester! Check with course timetable.

701	Angewandte Computergrafik (2)
702	Angewandte Führungslehre (2)
703	Angewandte Marktforschung (2)
706	Ausbildung von Ausbildern (4) – nur mit Prüfung
709	CAD Flachstrick (2)
710	CAD Illustration (2)
712	CAD Sketch (2)
717	CAD Technisches Zeichnen (2)
722	Excel-Intensivkurs (2)
726	Finite Elemente Methode für Textiler (2)
731	Grundlagen der Farbmessung (2)
734	Karriereplanung (2)
743	Modelfotografie (4)
744	Modeillustration (4) – nur mit Prüfung
756	Softwareanwendungen Textilentwurf I (2)
757	Softwareanwendungen Textilentwurf II (2)
759	Spezielle CAD Textildruck (2)
763	Stilisieren, Interpretieren, Zeichentechniken (2)
775	Experimentelle Computergrafik (2)
780	CSR Management (2)
789	Indesign (2)
790	Grundlagen der 3D-Simulation (4)
261/2	CAD 2D/3D Clothing Construction
291	CAD Bandweberei (2)
292 / 711	CAD Schaftgewebe (2)
293	CAD Textildruck (2)
294	CAD Maschenware (2)
295	CAD Jacquardgewebe (2)
854	Gewerblicher Rechtsschutz Achtung: in begrenzter Anzahl lässt Prof. Dr. Eicken BA-Studierende zu diesem Master-Wahlfach zu. Diese können KEINE Prüfung ablegen, aber bei erfolgreicher Teilnahme das Fach für das Methodenseminar (1,5 KP) verwenden. Dazu müssen sie, neben regelmäßiger Teilnahme, eine, im Niveau deutlicher geringerer als die Masterprüfung angelegte Recherche-Hausarbeit anfertigen.

**Attention: the current seminars of summer and winter academie or HLL which my be used for the „workshop scientific methods“ are now listed only in the corresponding document for „PO 2017“. Please inform yourself there.**