

<b>Module number</b>	<b>EM11 (biol260)</b>
<b>Module name</b>	<b>Molekulare Genetik von Pflanzen und Pilzen</b>
<b>Module name – englisch</b>	<b>Molecular genetics of plants and fungi</b>
<b>Program of Study</b>	MSc elective module
<b>Offered</b>	Twice a year, each semester
<b>Module coordinator</b>	Prof. Dr. Frank Kempken
<b>Module advisor</b>	Prof. Dr. Frank Kempken
<b>Courses and teachers</b>	<b>Practical course:</b> Molecular genetics of plants and fungi (F. Kempken, NN) <b>Seminar:</b> Molecular genetics of plants and fungi (F. Kempken, NN)
<b>Prerequisites</b>	Advanced understanding of genetics
<b>Language</b>	English or German
<b>Module capacity on campus students</b>	2, Registration at the beginning of each semester; course upon request
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<b>Course types (classroom/ total workload)</b>	Practical course including Seminar (180/287)
<b>Schedule</b>	six week, all day laboratory course
<b>Grading</b>	Practical report: 80% (F. Kempken) Seminar presentation: 20% (F. Kempken)
<b>ID-card</b>	Required for registration
<b>European Credit Points</b>	10
<b>Module objectives</b>	Students can handle limited research areas; they are able to write scientific reports and to discuss data in the context of published work. They are able to present and defend their research in a colloquium.
<b>Contents</b>	Analysis of mitochondrial RNA processing; transposable elements, gene expression in fungi etc.
<b>Taught skills</b>	Professional expertise, technical skills, presentation skills
<b>Course materials</b>	Scientific reports, original literature in the context of the specific project