



ERASMUS MUNDUS

European Master in  
Astrophysics



Erasmus Mundus Programme  
AstroMundus

### CONSORTIUM AGREEMENT

This agreement is made and entered into by and between:

**Leopold-Franzens Universität Innsbruck (IBK)**, whose registered office is at Innrain 52 / Christoph-Probst-Platz, A-6020 Innsbruck Austria, lawfully represented by Prof. Dr. Karlheinz Töchterle Rector, hereinafter referred to as **“Coordinator”**, and

**Università degli Studi di Padova (PD)**, whose registered office is at via 8 febbraio, 2, I-35122 Padova, Italy, lawfully represented by Prof. Dr. Luigi Filippo Donà dalle Rose Delegate of the Rector, hereinafter referred to as **“Partner”**, and

**Università degli Studi di Roma "Tor Vergata" (ROMA)**, whose registered office is at via della Ricerca Scientifica 1, I-00133 Roma, Italy, lawfully represented by Prof. Dr. Renato Lauro Rector, hereinafter referred to as **“Partner”**, and

**Georg-August Universität Göttingen (GÖ)**, whose registered office is at Wilhelmsplatz 1, D-37073 Göttingen, Germany, lawfully represented by Prof. Dr. Kurt von Figura President, hereinafter referred to as **“Partner”**, and

**Универзитет у Београду, (University of Belgrade – BG)**, whose registered office is at Studentski trg 1, SRB-11000 Belgrade, Serbia, lawfully represented by Prof. Dr. Branko Kovacević Rector, hereinafter referred to as **“third country Partner”**

(Hereinafter referred collectively to as **“Partners”** or **“Consortium”**)

This Agreement is drafted within the framework of the action entitled: “Erasmus Mundus Joint European Master in Astrophysics - AstroMundus” (EM-AM), based on Framework Partnership Agreement number 2010-0135/001 (hereinafter referred to as **“FPA”**) between Coordinator and the Commission of the European Communities (hereinafter referred to as **“Commission”**) and all related Specific Agreements for Erasmus Mundus Masters courses (SA Agreements). The FPA Agreement and its annexes (Annex 1 = Proposal as submitted 30<sup>th</sup> April 2009 – thereafter **“PROP”**; Annex 3 = Erasmus Mundus Program Guide also available at [http://eacea.ec.europa.eu/erasmus\\_mundus/programme/programme\\_guide\\_en.php](http://eacea.ec.europa.eu/erasmus_mundus/programme/programme_guide_en.php) - thereafter **“EMPG”**) shall form an integral part of the present Agreement. Although the EU authorities are providing different linguistic national versions of some of the documents, it is agreed on, that the agreement is



based on the English version. Citations to any of the documents here and in local documents of the partners (e.g. national local curricula) have to use the English version (e.g. for sections and page numbers).

The Coordinator is bound by the terms and conditions of the FPA Agreement and further amendments. Each Partner shall be bound in applicable parts by the terms and conditions of the FPA Agreement and amendments to the FPA Agreement, approved by all Partners when applicable. The Partners shall not act in any way that could risk the fulfilment of the Coordinator's duties and obligations under the FPA Agreement. On the basis of the present Agreement the Partners shall together contribute to the achievement of the requirements of the FPA Agreement in accordance with the terms and conditions as stated in the present Agreement.

The core text of the Agreement describes a number of issues as structure, organization, finance, cooperation in general terms rather than in detail. More details are given in a number of separate Annexes. In order to maintain maximum flexibility in terms of working principles, needed to adapt the operational execution of the course based on advancing insight or experience built up during the consecutive years the course is given, consequential changes will be met, where possible, by changes in relevant Annexes rather than through changes in core text. Subsequent versions of Annexes will be approved, as described in Article 9, formally by the Consortium and subsequently, when applicable or appropriate, by the legal representatives of the Partners.

## **Article 1. Summary of EM-AM (AstroMundus)**

The integrated European Master of Science Course in Astronomy and Astrophysics - AstroMundus (EM-AM), aims to offer high quality international training, both in terms of scientific knowledge as well as in didactic skills.

EM-AM is a response to the need for highly qualified graduates, as well as to the need to adapt education systems to the demands of the knowledge society, and to enhance the attractiveness and visibility of European higher education world-wide.

The focus of EM-AM is the combination the specific expertise of the five partner universities in the multiple aspects of Astrophysics. The synergy among the partners and their various scientific domains of specialisation will give Masters students the unique opportunity to develop knowledge and be initiated to the research in a very wide range of branches of Astronomy and Astrophysics:

- practice learning at national and international observatories,
- training oriented towards exploiting ground based and space based instrumentation,
- exploitation of modern data archives,
- the use of state-of-the-art supercomputers.

At the same time the students will be fully integrated in the international scientific community, a fact that represents an important first step for their future career. The EM-AM graduate will be trained to formulate and provide effective and appropriate responses to these challenges. The EM-AM offers quality higher education in Astronomy and Astrophysics with a distinct European added value, which is attractive for students from all over the world. Representatives of international organisations have agreed to participate in the international scientific advisory board to advice on development of the course.

The instruction language of the two-year MSc Course is mainly English. An opportunity to study other European languages and to become familiar with European cultures will be provided. The annual student enrolment is expected to be 10-25 third-country students and 8-15 European students.

The consortium consists of Innsbruck University (Austria) as Coordinator, University of Padua (Italy), University of Rome Tor Vergata (Italy), University Göttingen (Germany) and the University of Belgrade (Serbia).

EM-AM starts with an introduction period for all students in Innsbruck. Students will conduct the major part of their training at least at two but up to four institutions of the consortium. The duration of the stay at one institution varies between 6 and 18 months at the Universities in Austria, Italy and Germany. At the third country partner University in Serbia it varies between 3 and 12 months.

Students will be awarded a fully nationally recognized joint master degree together with a specific EM-AM Masters certificate, and a joint diploma supplement (nature, level, content and status of the subjects; outstanding features of professional training). The national installation of the curricula for a joint degree





program is agreed on by the participating universities and contracted separately. EM-AM will be open to well motivated students who have completed BSc or equivalent degree in Physics, Astrophysics, Astronomy and related fields and good knowledge in English (TOEFL-test/ demonstrated competence). Student admission, enrolment and degrees will be handled by the selection committee of the consortium.

## **Article 2. Structure and content of the programme**

Our Erasmus Mundus programme proposes to contribute to the teaching of Astronomy and Astrophysics at the European level by combining the specific expertise of the five partner universities in the multiple aspects of Astrophysics. Hence, it is intended to be a significant component of the European educational space. The synergy among the partners and their various scientific domains of specialisation will give Masters students the unique opportunity to develop knowledge and be initiated to the research in a very wide range of branches of Astronomy and Astrophysics: a goal that cannot be achieved within the currently existing Masters courses in this field. In fact, the students will have a large choice of courses, practice learning at national and international observatories, training oriented towards exploiting ground based and space based instrumentation as well as modern data archives, and training in the use of state-of-the-art supercomputers. At the same time the students will be fully integrated in the international scientific community, a fact that represents an important first step for their future career.

The aim of the proposed Erasmus Mundus Astrophysics master programme is to provide a high level multinational research-oriented education in Astronomy and Astrophysics, in close relation to the research activities of the partners. The combined and harmonised teaching and research of the five partner universities offer a great variety of competence in the field. The Masters Course is organized according to three basic objectives; give a solid background in Astronomy and Astrophysics, initiate the students in scientific research and offer applied training in experimental and computational techniques oriented towards Astronomy and Astrophysics. Moreover, the students will have a unique opportunity to have access to various high technology instruments, supercomputers, specific techniques developed locally (e.g. hydrodynamic simulations) or to specific pathways (i.e. different branches of the three main domains, observational, computational, and theoretical astrophysics and/or combinations of these). Such a wide choice can only be offered at the European level.

The programme includes dedicated courses specially thought for Erasmus Mundus students as well as advanced courses already taught at the partner universities as part of their local Masters programmes. All courses will be given in English. Furthermore, we will do intensive tutoring of Masters students during the whole course of their Masters studies. The length of the EM-AM is 2 years (120 ETCS). A more detailed description of the EM-AM Curriculum is given in the Annexes.

## **Article 3. Organisational structure and responsibilities**

The EM-AM is governed by the following management structure:

**1. An EM-AM Consortium Committee (Board)**, with one representative of each institution, is in charge of all academic issues. The Consortium Committee is chaired by the representative of the Coordinator. The representatives are mandated by their institution and are in charge of organisational and financial issues. If needed due to regulations of the respective Institution, the Consortium Committee submits its proposals on topics, mentioned above, to the relevant body of the Institution for approval or decision. The Consortium Committee is meeting at least once a year and nominates among its members persons in charge of specific issues that need to be regulated.

**2. A technical secretariat** will provide administration support and will treat all administrative questions and problems and will be in charge of practical issues such as arrival of students, mobility arrangements, administrative tasks concerning study progress, collecting the marks of students, organisation of the selection procedure, and organisation of meetings of the managing bodies, communication, financial reporting and



report writing. The secretariat will consist of one administrative support representative of the institutions and will work under the guidance of the administrative representative of the Coordinator. The secretariat will provide the Consortium Committee with financial information on a regular basis. The technical secretariat will provide the members of the Consortium Agreement with an EM-AM financial and administrative handbook as guideline for all procedures to be followed by the institution. This EM-AM financial and administrative handbook will become an integral part of the Consortium Agreement.

**3. Examination and thesis:** For each individual subject, the examination criteria of the hosting institutions do apply. Examinations are fully recognised by all Consortium institutions of the same training track. The thesis can only be defended when all other requirements to obtain the degree are fulfilled, so that the commission can be mandated to award the degree or not. The common monitoring process and, when applicable, a description of the joint evaluation procedure will be described in detail and after approval by the Consortium Committee added to the agreement as Annex .

**4. The Coordinator:** The Coordinator is in charge of coordinating the course and responsible for all contacts with the EU. The Coordinator will take all actions necessary for a good functioning of the Consortium and for the fulfilment of the contractual agreement with the EU. The representative of the Coordinator will chair the Consortium Committee. The Coordinator will guide the technical secretariat.

**5. The Selection Committee,** with one representative of each institution, is in charge of all academic issues. The Selection Committee is chaired by the representative of the Coordinator. The representatives are mandated by their institution and are in charge of evaluating the files of incoming students, selection of scholarship grantees, study programmes of students, advice on dissertation topics and all other academic issues. The Selection Committee decides if due to unbalanced distribution of the students regulations must be carried out. The Selection Committee is meeting at least once a year and nominates among its members persons in charge of specific issues that need to be regulated.

**6. The Quality Evaluation Committee,** with one representative of each institution and a students representative, is in charge of all quality issues and supports the Selection Committee, the Board and the Coordinator in development and improvement of the course.

## **Article 4. Administrative organisation of EM-AM**

### **4.1 Admission criteria**

The EM-AM MSc Course is open to well-motivated students. Students are required to have a BSc degree in Physics, Astrophysics, Astronomy or related fields. All students are required to pass a TOEFL exam, IELTS tests or similar. Accepted tests and scores are listed as follows

- a) Cambridge Certificate in Advanced English,
- b) Cambridge Certificate of Proficiency in English,
- c) "International English Language Testing System" (IELTS) minimum "Band 6",
- d) minimum score 550 points "Test of English as a Foreign Language" (paper-based TOEFL),
- e) minimum score 220 points "Test of English as a Foreign Language" (computer-based TOEFL),
- f) minimum score 83 points "new internet based TOEFL - Test of English as a Foreign Language" (TOEFL iBT),
- g) UNICert level „III“,
- h) C1 according to CEF (Common European Framework).

The Selection Committee can admit excellent students with a somewhat lower TOEFL, IELTS score in case of scientific excellence. The Coordinator in collaboration with the admission department in Innsbruck finally selects the students that meet the legal admission criteria of the participating universities.

At the start of the EM-AM MSc Course, each student is interviewed to ensure the study plan meets the needs of the student (tailor made programme) and that the study plan is also feasible. After one year of the study





plan, there is a study advice in case progress is not good enough. Advice can be that special action should be taken or that the study should be stopped.

#### **4.2 Application procedure for EM-AM**

The consortium has established a central application procedure at the EM-AM Coordinator, using a joint application form. Students can apply through a standard application form which can be downloaded from the EM-AM webpage, can be sent on request or can be obtained from the institutions awarding the degree. The co-ordinating institution provides first-hand support via telephone or e-mail for all questions regarding the application. Applications are made available to the members of the Selection Committee electronically as they arrive. The application form contains all elements necessary for further selection (such as letter of motivation, full academic background containing a list of courses followed, obtained grades, information about the ranking of the students in their previous studies, language skills, motivation). Furthermore 2 recommendation letters will be asked of each student. The Coordinator collects all application forms, checks whether students fulfil basic diploma requirements and prepares an overview for the selection by the EM-AM Selection Committee. The admission department in Innsbruck scrutinizes the applications.

#### **4.3 Admission of students**

The students (using the admission criteria as defined in 4.1 and in Addendum 1), after checking eligibility by the Coordinator, are selected by the EM-AM Selection Committee and subsequently proposed to the EACEA for final verification. Minutes of the selection meeting are made and circulated to all Partners. Students proposed for selection by the EACEA are informed as such by the Coordinator. The students finally selected on by the EACEA will get an official letter of admission signed by the Coordinator. Admission also depends on actual enrolment with respect to the maximum numbers of students per institution as a percentage of the total number of students in EM-AM. All admitted students can enrol under the conditions set for enrolment. Enrolment is only official after paying the subscription fee to the account of the Consortium. Students who enter the EM-AM MSc Course may have only minor deficiencies at the start of the Course. If they do, then they need to attend courses to overcome these deficiencies during their first year of the EM-AM MSc course.

#### **4.4 Selection procedure for Erasmus Mundus scholarships**

The selection of grantees of an Erasmus Mundus scholarship is a competitive process based on the academic performance and credentials of the candidates, in order to guarantee the selection of high-quality students. Subsequently the Selection Committee selects from the list of applicants based on the criteria described above, the students who can enter the course and the students that will be proposed for a scholarship. The Committee selects and ranks the students that are eligible for a scholarship. A list of participants ranked according to their academic quality and motivation will be sent to EACEA before January 31. After approval of the list, the Coordinator will contact selected students to start up the inscription procedures and mobility arrangements (inviting letters to obtain visa e.g.).

Selection will be based on academic scores, reputation of the school or institution where the student has previously studied, language skills, country of origin (in order to promote geographical balance), motivation and other relevant criteria. Gender balance will be promoted. Furthermore the recommendation letters will be taken into account (with as criteria the names and reputation of the referees, their knowledge of the student, their ranking of the student, their evaluation of the language and other capacities of the student).

Students will be divided over the institutions based on student's preference within the limitations of the maximum numbers of students per institution as a percentage of the total number of students in EM-AM according to the table below.



**Table:** possible institutions and maximum fraction of students / institution

	1 <sup>st</sup> term	2 <sup>nd</sup> term	3 <sup>rd</sup> term	4 <sup>th</sup> term
Innsbruck	X			X
Padua		X		X
Roma		X	X	X
Göttingen			X	X
Beograd			X	X
maximum fraction of students per site	n.a.	60%	40%	25%

#### 4.5 Enrolment of EM-AM students

Students are enrolled per semester at the institution according to the regulations in the addendum where they follow part(s) of the EM-AM course programme. Registration however always takes place administratively at the Coordinator's institution. For Insurance and studentship regulations they are subscribed throughout the whole number of semesters at the Austrian studentship association (ÖH) and the Innsbruck University. The Innsbruck University provides throughout the whole period an immutable e-mail account. Additional formal national enrolments are defined in the agreement about the installation of a joint degree (Addendum 1)

#### 4.6 Subscription fees

The fees charged by institutions are different due to differences in national policies. However, all EM-AM students will have to pay the same tuition fee to the consortium irrespective of their institutions of study. Within the consortium, arrangements have been made to divide the fee and additional costs over institutions to ensure that all institutions receive an appropriate amount of money (covering local tuition fees and compensation for additional activities for the EM-AM MSc Course). The fee for third-country students will be €7.000 per academic year whereas the fee for EU students will be €3.000 per academic year.

The tuition fees include the following costs of the students:

- registration in the institutions (including institutional subscription fees, university overheads, language courses announced in the curricula);
- costs for additional lectures
- the extra costs for organising the joint master

Every year the Consortium Committee will decide on the amount of the fees and on the distribution of the incoming money of the Consortium.

Other costs (additional insurances, additional language courses, internal mobility, and eventually extra educational fees to be paid for use of library, informatics or other services) are at the charge of the students. The EM-AM students are to cover their installation, living and subsistence costs by themselves.

Subscription fees of all EM-AM students are paid to the account of Innsbruck University on a semester per semester basis. The deadlines are 5<sup>th</sup> October and 5<sup>th</sup> March for each year without overheads by the University of Innsbruck. The Coordinator will transfer the agreed institutional subscription fees to the accounts indicated by the respective institutes / institutions.

Students obtaining an EMMC studentship will have to obtain a bank account in the area where cost free EU transfer (IBAN & BIC) accounts exist – preferable an Austrian account which allows in all of the regions of the partners the ATM card drawing without additional fees.

#### 4.7 Education

All institutions are responsible to provide appropriate education, teaching and examination within the framework of EM-AM in correspondence with the educational responsibilities described in the FPA and the PROP for EM-AM as submitted on April 30<sup>th</sup>, 2009.





## 4.8 Mobility

The mobility system can be seen in the study structure. Students are provided with many choices for their Applied Period. The criteria for choosing are that it is relevant to the AP position, and that it maximises the benefit for the student. For the Thesis research period and elective subjects students choose the institution that best fits their personal study plan. Each participating institution can be a hosting institution for students and can offer both thesis opportunities and large variation of elective subjects. In order to meet the requirements for a joint degree, students will conduct the major part of their training at least at two institutions of the consortium. The most convenient time for mobility between institutions is during February and during July/August, although other tailor-made times can be arranged. The duration of the mobility period at one institution varies between 6 and 18 months and a minimum of 30 ECTS credits have to be obtained for this mobility period to be accounted for a joint degree at that institution. If a student holding an EMMC studentship does a minor part of the study at a third institution (as described in section 4.2.2 page 28 of the EMGB), all regulations and administrative issues concerning crediting of exams etc. have to be carried out in a two bi-lateral institutions arrangement between that institution where the student is enrolled during this very term in the EU and the third institution. In any way both local representatives of the technical secretariat (see section 3.2) and the office of the coordinator has to be informed in time.

## 4.9 Transfer of credits

The ECTS system of grading is used as maintained by the EACEA ([http://ec.europa.eu/education/lifelong-learning-policy/doc48\\_en.htm](http://ec.europa.eu/education/lifelong-learning-policy/doc48_en.htm)) and outlined in the ECTS Users' Guide (ISBN: 978-92-79-09728-7; doi: 10.2766/88064). For each subject, the examination criteria of the host institution where the subject is taken apply. For awarding the joint degree, the regulations of the contract about the installation of a joint degree apply (Addendum 1).

Marks are communicated to the local representatives of the technical secretariat to be recorded in the general student monitoring database. Students will be given the opportunity to participate in (re-)examination of subjects of one institution while they are staying at another institution during their EM-AM MSc Course under supervision of local faculty members.

### 4.10 Passing exams

Examinations are fully recognised by all consortium institutions following the mutually agreed EM-AM regulations. For the thesis defence, a common monitoring and joint evaluation procedure is organised by the supervisors.

### 4.11 Awarding the degree of EM-AM

The degree is awarded by the institutions awarding the ECTS of the thesis / thesis defence leading to the degree. After a student has successfully obtained credits according to the programme, and after a successful defence of the Master thesis, the Consortium Committee will recommend the relevant body of the institution to issue the respective degrees as defined in the contract about the installation of the joint degree. Awarding the degree is based on mutual trust of the Partner institutions in the application of the commonly decided standards and quality criteria. Details are given in the agreement about the installation of the joint degree (Addendum 1).

In addition a Diploma Supplement for EM-AM course as a whole will be made. The Diploma Supplement will be signed by the Chairman of the EM-AM Consortium Committee. The Diploma Supplement will mention the name and the degree of the training in English. The Supplement will contain full transcript of all ECTS credits obtained during the master course. Students will receive each academic year copy of the transcript of records of the courses followed in that academic year. A legalised translation in Italian, German or Serbian of the diploma supplement can be obtained upon request and upon payment of a service fee.



#### 4.12 Quality assurance

The EM-AM consortium and the organising institutions will ensure the high quality of the Course, evaluating the outcomes annually in the Consortium Committee. The standards and guidelines from the European Association for Quality Assurance in Higher Education (ENQA <http://www.emqa.eu/>) for the Erasmus Mundus Excellence will be used. Each of the five institutions has its own quality assurance system according to its national rules. In most cases, this system involves a site visit by a peer review commission.

An International Advisory Board with representatives from the working field is installed to advise the EM-AM Consortium Committee on the set-up of the EM-AM MSc Course and the relevance for the professional practice. All members of the International Scientific Advisory Board (SAB) have expressed their support to the EM-AM MSc Course.

#### 4.13 Other responsibilities

All five institutions have considerable experience in welcoming and hosting international students and are in charge of information on facilities and services regarding visa application for third-country students and scholars and other matters related to studying at the EM-AM consortium. Additionally the technical secretariat will distribute specialized agenda to experts at certain sites. Each institution has an office administering international student affairs, and each administration will support scholarship holders in their visa application process. Further, admitted students get information about housing facilities, welfare services and language courses. Overall, Erasmus Mundus students from elsewhere get special facilities and services so they can be successful in their studies.

### Article 5. Costs and financing

The costs of the EM-AM course are based on a number of fixed and variable costs. In addition, a number of scenarios with varying numbers of EU as well as third country students and varying distribution among institutions with higher or lower institutional fees were used to make a best estimate of the fees needed to cover the costs of EM-AM. The upper case and base case scenarios can result in either a surplus of income over costs or a deficit. Yearly adjustments in fees will be made to keep within budget or to compensate for likely events such as introduction of institutional fees in institutions currently not having such fees. Yearly, a new budget will be composed, and proposed to the Consortium Committee for approval.

In case of surplus during the EM-AM period, the Consortium Committee will decide how to allocate these funds for the benefit of the EM-AM students. In case of a surplus at the end of the EM-AM period, if any, this will be divided among the Partners in a way to be agreed upon by the Consortium Committee.

The financial arrangements will be as follows: All money (grants from EU, scholarships and subscription fees of students without scholarship) is transferred to the account of dedicated AstroMundus bank account of the Innsbruck University, adequately labelled and solely reserved for the EM-AM Consortium according to article I.5 of the FPA agreement. From this account will be paid:

- The scholarships to students (monthly allowance, fees and relocation cost after deduction of the subscription fee and other costs) transferred on a personal account of the student.
- The administrative costs for running the course (secretary work, other administrative costs)
- All costs related to the scientific coordination meetings of the course
- Meetings of the Consortium Committee and other necessary mobility costs linked to practical organisation of the course
- Meetings of the Scientific Advisory Board including travel and stay
- The institutional subscription fees charged per individual EM-AM student by the institutions where the student is studying. Each Institution decides freely on how this amount is used within the Institution. For all purposes EU EM-AM students will be regarded as regular EU students and third country students as regular third country students meaning that extra costs can only be charged to EM-AM students on the same basis as regular students.
- Any other costs decided upon by the Consortium Committee to be covered from the funds.





Financial and administrative coordination of the master course will be done by the EM-AM technical secretariat of the course under supervision of the Coordinator. The Coordinator is keeping the accounts and reports regularly to the Partner institutes / institutions. The Consortium Committee decides every year on the proposed budget, the allocation of specific tasks and the spending of the money. Surplus money will be divided equally over the participating institutions based on number of students attending the institution during the entire period the EM-AM is running. Unforeseen budget deficits, or deficits as a result of a low number of students in such a way that costs for the Consortium and the execution of the course can not adequately be covered from the student fees, will both be equally divided between the Partner institutes / institutions. The amounts mentioned in this agreement can be changed at any time on proposal of the Consortium Committee. All administrative and financial processes will be described in an EM-AM financial and administrative handbook as guideline for all procedures to be followed by the institutes / institutions.

## **Article 6. Liability**

**6.1.** Each Partner shall be solely liable towards the other Partners and towards third parties for loss, damage or injury resulting from its own actions in the execution of this Agreement. However, no Partner shall be responsible to any other Partner for indirect or consequential loss or damage such as, but not limited to, loss of profit, loss of revenue or loss of contracts.

**6.2.** Each Partner shall be fully responsible for the performance of any part of its share of the Agreement and for the requirements of Insurance and Social Security for its personnel, involved herein.

**6.3.** With respect to any injury to any person or any damage to any property of any person occurring at any establishment of any of the Partners in the course or arising out of the execution of this Agreement, the Partner at whose establishment the injury or damage occurs, shall be solely responsible for the payment of compensation to such extent as this Partner shall be under a legal liability in respect of such injury or damage. This article shall not apply with respect to any such injury or damage, the causing of which is attributable to any act of a servant or agent of any of the Partners, committed with the intention of causing harm to any person or property or with reckless disregard for the consequences of his act.

**6.4** Each Partner shall be solely liable for any breach of, or non-compliance with, its legal obligations arising from the present Agreement. If the Coordinator has to pay damages to the Commission due to such breach or non-compliance by a Partner, the Coordinator shall be entitled to full reimbursement from the Partner concerned.

## **Article 7. Entry into force and termination**

This Agreement shall come into force as of the date of its signature but shall have retroactive effect from date of signing the FPA agreement., referred to as T<sub>0</sub>, by all the Partners and shall continue until the end of the agreements between the European Community and Innsbruck University within the framework of the action entitled: 'EM-AM – Erasmus Mundus International Master of Science in Astrophysics' (framework Partnership agreement number 2010-0135/001 and all related specific agreements signed on behalf of the Consortium.

This Consortium agreement is valid as long as contracts with the EU are binding the Partners. If this is not the case anymore, the Partners will decide in mutual agreement to continue this agreement or not.

If a Partner should want to leave the agreement before the end of the EU agreement, this Partner will discuss this with the Consortium and will have to follow the rules stipulated in the EU contract. This is not the case if the Partner should leave by force majeure.

## **Article 8. Applicable law and Competent Court**



This Agreement shall in all respect be in compliance with the terms of the related Framework Agreement and Specific Agreements and be governed by Belgian law. The settlement of any difference or conflict arising from or in connection with this Agreement shall be attempted by an amicable effort from the Partners. Only the Courts of Brussels are competent to decide on the disputes which remain unresolved.

The EM-AM student is bound to the rules and regulations from the Institutions at which she/he is enrolled.

#### **Article 9. Amendments**

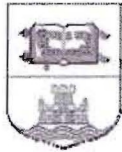
The Consortium Committee has the mandate to add amendments to this agreement when necessary. For all things not stipulated in this agreement the Consortium Committee can decide, subject to approval by the official bodies of the signing institutions and/or the EACEA. Formal approval by the Consortium Committee and subsequently, when applicable or appropriate, by the legal representatives of the Partners or the EACEA, including a thorough audit trail of all versions will be documented by the Coordinator.

#### **Article 10. Annexes and Addendum**

Enclosed Annexes and the Addendum are an integral and binding part of the consortium agreement







Signed for and on behalf of:  
**Leopold-Franzens Universität Innsbruck (Coordinator)**

Rector: [Redacted]

Date: 18.1.2010

Place: Innsbruck



Signed for and on behalf of:  
**Università degli Studi di Padova (Partner)**

Delegate of the Rector: [Redacted]

Date: 14th January 2010

Place: Padova



Signed for and on behalf of:  
**Università degli Studi di Roma "Tor Vergata" (Partner)**

Rector: [Redacted]

Date: 75 GEN. 2010

Place: Rome



Signed for and on behalf of:  
**Georg-August Universität Göttingen (Partner)**

President: [Redacted]

Date: 20.01.2010

Place: Göttingen



Signed for and on behalf of:  
**Универзитет у Београду, (University of Belgrade - third country Partner)**

Rector: [Redacted]

Date: 22.01.2010

Place: Belgrade



## **Annexes**

- Annex 1. FPA Agreement and its annexes
- Annex 2. SA Agreements and annexes (will be added upon receipt from EACEA for each consecutive course)
- Annex 3. EM-AM Curriculum
- Annex 4. EM-AM Consortium Committee
- Annex 5. EM-AM Technical secretariat
- Annex 6. EM-AM International Advisory Board
- Annex 7. EM-AM Selection Committee
- Annex 8. EM-AM Quality Evaluation Committee
- Annex 9. EM-AM financial and administrative handbook
- Annex 10. EM-AM student's agreements

## **Addendum**

- Addendum 1. EM-AM Common agreement about Installation of the  
"ERASMUS MUNDUS Joint Masters Programme in Astrophysics"



## **Annex 1. FPA Agreement and its annexes**

The FPA Agreement Nr. 2010-0135/001 has been signed on behalf of the coordinating university by rector Karlheinz TÖCHTERLE, 23<sup>th</sup> November 2009 and on behalf of the Agency by the Head of the Unit Joachim FRONIA, 27<sup>th</sup> November 2009.

It contains as integrated annexed parts the Application describing the program as signed by Rector Karlheinz TÖCHTERLE, 29<sup>th</sup> April 2009.





Annex 2. SA Agreements and annexes (will be added upon receipt from EACEA for each consecutive course)



## Annex 3. EM-AM Curriculum

### Description of the EM-AM Curriculum

The EM-AM will be truly international and have many links to global research and to capacity building in developing countries. The global structure of the EM-AM is presented in Table 1. The length of the EM-AM is 2 years (120 ECTS). The EM-AM builds on existing MSc courses and consists of required and elective subjects.

The Masters Course is organized according to three basic objectives; give a solid background in Astronomy and Astrophysics, initiate the students into scientific research and offer applied training in experimental and computational techniques oriented towards Astronomy and Astrophysics. Moreover, the students will have a unique opportunity to have access to various high technology instruments, supercomputers, specific techniques developed locally (e.g. hydrodynamic simulations) or to specific pathways (i.e. different branches of the three main domains, observational, computational, and theoretical astrophysics and/or combinations of these). To be awarded the joint Masters title in Astrophysics, students need to attend courses from programme and pass the associated examinations for a total of at least 120 ECTS. This includes the completion of a Master thesis and the final presentation. Credits must be obtained in at least two of the partner institutions.

The entrance institution for all students will be the University of Innsbruck, which offers S1 courses organised in a way to bring all (EU and Third-Country) students to a common level of knowledge, thus preparing them for the subsequent semesters at the partner institutions. In particular S1 will be focussed on providing the students with basic concepts in Galactic and Extragalactic Astrophysics, Physics, and Mathematics that are essential to advanced learning and research in Astrophysics. Besides the compulsory courses, the students will have the choice of a wide range of optional courses, including practice of observations at a telescope and of treatment and analysis of data. One of the optional courses in S1 is a German language course. Furthermore, students will have the possibility to practice German at the institute through conversation with local students and staff members.

Successful students will then move for the second semester to a partner University. This will be one of the two consortium partners in Italy, the University of Padua and the University of Rome, that both offer courses for S2. There the students will also have the opportunity to learn another of the languages spoken within the consortium. Courses of Italian language are offered by both Universities. While still learning the basics of Astrophysics, during S2 the students will start orienting towards specific branches of the field, depending on the institute of their choice.

The third semester, S3, is offered by the Universities of Rome, Göttingen, and Belgrade. Therefore students after S2 will have the choice of continuing their studies in Italy or moving further to either Germany or Serbia. There is only a small overlap of offer for S3 among the three institutes, while a significant fraction of the courses reflect the specific fields of expertise of the individual partners.

Finally, S4 is offered by all five participating universities and is mainly dedicated to the Master thesis, although some partners offer also additional optional courses and seminars during the last semester. The subjects of the Master theses will reflect the specific research sub-fields that are developed within the individual partner institutions.

Table 1: Global structure of EM-AM MSc Course - possible institutions and maximum fraction of students / institution

	1 <sup>st</sup> term	2 <sup>nd</sup> term	3 <sup>rd</sup> term	4 <sup>th</sup> term
Innsbruck	X			X
Padua		X		X
Roma		X	X	X
Göttingen			X	X
Beograd			X	X
maximum fraction of students per site	n.a.	60%	40%	25%



### Contribution of Third-Country partner

Our consortium includes the University of Belgrade as a Third-Country partner that will fully participate in the teaching and supervision activities related to the Masters programme by offering the third and fourth semesters, thus including the Master thesis and degree awarding. This will be one of the possible choices for European EM Masters Students. The offer in terms of courses at the University of Belgrade includes the possibility to concentrate courses in trimesters (through blocks of lectures), thus allowing Category A scholarship holders to attend some courses at this university for an equivalent of at most 15 ECTS, in accord with the rules mentioned in the EMPG.

Table 2: courses offered in the curriculum  
**First Semester (only offered at Innsbruck)**

Innsbruck		
S1	ECTS	Type
Concepts of Galactic Astrophysics	6.5	compulsory
Concepts of Extragalactic Astrophysics	6.5	compulsory
Concepts of Physics for Astrophysicists	6	compulsory
Advanced Mathematical Methods for Astrophysicists	6	compulsory
Basic Concepts of Quantum Physics	5	optional
Basic Concepts of Ion, Plasma and Applied Physics	5	optional
Basic Concepts of Astro and Particle Physics	5	optional
Relativity	5	optional
Theory of Gravitational Lenses	2	optional
Variable Stars	2.5	optional
Introduction to Radio-astronomy	1.5	optional
Recent Results of Galactic Research	1.5	optional
German as a foreign language	5	optional

**Second Semester (S2) offered at Padua and Rome**

Padua		
S2	ECTS	Type
Astronomical Spectroscopy	5	compulsory
Theoretical Astrophysics	5	compulsory
Cosmology	5	compulsory
Galaxy Dynamics	5	compulsory
High Energy Astrophysics	4	optional
Astrophysics of Galaxies	5	optional
Astrophysics of Interactions	5	optional
Formation of Cosmic Structures	5	optional
Astrophysics of Interstellar Medium	5	optional
Theoretical Astrophysics: Collapsed Stars	5	optional
Space Plasma Physics	5	optional
Celestial Mechanics	5	optional
Stellar Populations	5	optional
Italian as a Foreign Language	3	optional





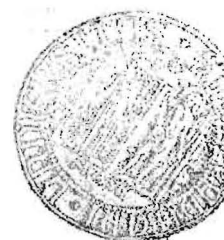
Rome			
S2	ECTS	Type	
Observational Solar Physics	6	compulsory	
Stellar Astrophysics	6	compulsory	
Extragalactic Astrophysics 1	6	compulsory	
Relativity and Cosmology 1	6	compulsory	
Choice of courses and activities for 6 ECTS among those listed in table WP below	6	compulsory	
Italian as a foreign language	3	optional	

### Third Semester (S3) offered at Rome, Göttingen and Belgrade

Rome			
S3	ECTS	Type	
Relativity and Cosmology 2	6	compulsory	
Physics of Gravitation	6	compulsory	
Choice of courses and activities for 18 ECTS among those listed in annex table WP	18	compulsory	
Italian as a foreign language	3	optional	

Rome: Annex Table WP (applies for S2 and S3)			
Radiative Processes in Astrophysics (S3)	6	optional	
Astrophysics Laboratory (S3)	6	optional	
Astronomical Archives (S2)	6	optional	
High Energy Astrophysics (S3)	6	optional	
Extragalactic Astrophysics 2 (S2)	6	optional	
Astrophysics of Galaxies (S3)	6	optional	
Theoretical Solar Astrophysics (S2)	6	optional	
Space Physics (S2)	6	optional	
Celestial Mechanics (S3)	6	optional	
Gravitational Waves (S3)	6	optional	
Planetology (S3)	6	optional	
Astrobiology (S3)	6	optional	
Stage (S2 or S3)	6	optional	

Göttingen			
S3	ECTS	Type	
Active Galactic Nuclei	5	compulsory	
Stellar Structure and Evolution	5	compulsory	
Stellar Atmospheres	5	compulsory	
Physics of the Sun, Heliosphere and Space Weather	5	compulsory	
Introduction to Solar System Physics	4	optional	
Cosmology	4	optional	
Scientific Computing for High Energy Physics	4	optional	



Belgrade		
S3	ECTS	Type
Spectroscopy of Astrophysical Plasmas	6	compulsory
Physics of Gaseous Nebulae and Active Galactic Nuclei	6	compulsory
Physics of Interstellar Matter	5	optional
Astrobiology	4	optional
Line Shapes in Astrophysics	4	optional
Introduction to Nucleosynthesis and Particle Astrophysics	5	optional
Numerical Astrophysics - Modelling Stellar Atmospheres	5	optional
Gravitational Lenses	4	optional
Supernovae and Their Remnants	4	optional
Serbian as a Foreign Language	5	optional

**Fourth Semester (S4) offered at Innsbruck, Padua, Rome, Göttingen and Belgrade**

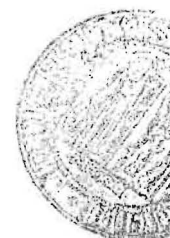
Innsbruck		
S4	ECTS	Type
Master Thesis	27.5	compulsory
Thesis Presentation	2.5	compulsory
Astrophysics Seminar	2.5	optional
High Performance Computing Seminar	1	optional
Seminar on Galaxy Clusters	2.5	optional
Computational Methods in Physics and Astrophysics	5	optional
Statistic and Detectors	2.5	optional
Solar and Stellar Physics	2.5	optional
Astroparticle Physics	2.5	optional
Physics of Galaxy Clusters	2	optional
German as a Foreign Language	5	optional
German as a Foreign Language - Conversation	2	optional

Padua		
S4	ECTS	Type
Master Thesis + Presentation	30	compulsory
Italian as a Foreign Language	3	optional

Rome		
S4	ECTS	Type
Master Thesis + Presentation	30	compulsory

Göttingen		
S4	ECTS	Type
Master Thesis + Presentation	30	compulsory
Astrophysics Seminar	2.5	optional

Belgrade		
S4	ECTS	Type
Master Thesis + presentation	30	compulsory



#### **Annex 4. EM-AM Consortium Committee (Board)**

Leopold-Franzens Universität Innsbruck (coordinator):	Prof. Sabine Schindler (as coordinator) Dr. Sonia Temporin (as local representative)
Università degli Studi di Padova:	Prof. Piero Rafanelli Prof. Luigi Secco (deputy)
Università degli Studi di Roma "Tor Vergata":	Prof. Nicola Vittorio Prof. Francesco Berrilli (deputy)
Georg-August Universität Göttingen:	Prof. Wolfram Kollatschny
Универзитет у Београду, (University of Belgrade):	Prof. Dragana Ilić Prof. Luka Popović (deputy)

For meetings of the committee appointed representatives can be replaced by authorized substitutes, after timely announcement (in writing or by e-mail) to the Coordinator. In such cases Minutes of meetings have to be approved afterwards by the appointed representative.





## Annex 5. EM-AM Technical secretariat

Leopold-Franzens Universität Innsbruck (coordinator):

Dr. Mathias Schennach  
(Büro für Internationale Beziehungen)  
[Mathias.Schennach@uibk.ac.at](mailto:Mathias.Schennach@uibk.ac.at)

Assistance:

-- NN – (call for the position is open)  
(Institut für Astro- und Teilchenphysik)

Università degli Studi di Padova:

Serena Cecconato  
(dipartimento di astronomia)  
[serena.cecconato@unipd.it](mailto:serena.cecconato@unipd.it)

Rossella Spiga  
(dipartimento di astronomia)  
[rossella.spiga@unipd.it](mailto:rossella.spiga@unipd.it)

Elisa Aghito  
(servizio relazioni internazionali studenti)  
[elisa.aghito@unipd.it](mailto:elisa.aghito@unipd.it)

Università degli Studi di Roma "Tor Vergata":

Savino Petrelli  
(Administration Office Physics Department)  
[petrelli@roma2.infn.it](mailto:petrelli@roma2.infn.it)

Dr. Marina Tesauero  
(International Relations Office)  
[tesauero@uniroma2.it](mailto:tesauero@uniroma2.it)

Georg-August Universität Göttingen:

Mrs. Marina C. Glaser, M.A.  
(Stabsstelle Lehrentwicklung und Lehrqualität  
Internationale Lehrentwicklung)  
[Marina.Glaser@zvw.uni-goettingen.de](mailto:Marina.Glaser@zvw.uni-goettingen.de)

Универзитет у Београду, (University of Belgrade):

Marina Kostrica  
(Officer in the International office of  
University of Belgrade)  
[kostrm@rect.bg.ac.rs](mailto:kostrm@rect.bg.ac.rs)



**Annex 6. EM-AM International Advisory Board**

Name	Organisation	Function	Country
Dr. Roberto Gilmozzi	European Southern Observatory (ESO), Garching near Munich	Head of Division PI of European Extremely Large Telescope (E-ELT)	Germany / International organization
Prof. Dr. Joachim Wambsganß	Zentrum für Astronomie Astronomisches Rechen-Institut, Heidelberg	Director, Professor	Germany
Prof. Malcolm Longair	Cavendish Laboratory, Department of Physics, University of Cambridge	Emeritus Jacksonian Professor of Natural Philosophy, Director of Development, Cavendish Laboratory, Professorial Fellow of Clare Hall	United Kingdom



## Annex 7. EM-AM Selection Committee

Leopold-Franzens Universität Innsbruck (coordinator):	Prof. Olaf Reimer
Università degli Studi di Padova:	Prof. Alberto Franceschini Prof. Piero Rafanelli (deputy) Prof. Sergio Ortolani (deputy)
Università degli Studi di Roma "Tor Vergata":	Prof. Giuseppe Bono Prof. Viviana Fafone (deputy)
Georg-August Universität Göttingen:	Dr. Wolfram Schmidt
Универзитет у Београду, (University of Belgrade):	Prof. Luka Popović Prof. Dragana Ilić (deputy)

For meetings of the committee appointed representatives can be replaced by authorized substitutes, after timely announcement (in writing or by e-mail) to the Coordinator. In such cases Minutes of meetings have to be approved afterwards by the appointed representative.





## Annex 8. EM-AM Quality Evaluation Committee

Leopold-Franzens Universität Innsbruck (coordinator):	Prof. Stefan Kimeswenger
Università degli Studi di Padova:	Prof. Giampaolo Piotto Dr. Mauro D'Onofrio (deputy) Dr. Enrico Corsini (deputy)
Università degli Studi di Roma "Tor Vergata":	Prof. Pasquale Mazzotta
Georg-August Universität Göttingen:	Prof. Wolfgang Glatzel
Универзитет у Београду, (University of Belgrade):	Prof. Dejan V. Urošević Prof. Andjelka Kovačević (deputy)
Students Representative:	will be nominated by the students during their common period in S1 in Innsbruck

For meetings of the committee appointed representatives can be replaced by authorized substitutes, after timely announcement (in writing or by e-mail) to the Coordinator. In such cases Minutes of meetings have to be approved afterwards by the appointed representative.



## EM-AM FINANCIAL AND ADMINISTRATIVE HANDBOOK

### 1. Financial and administrative coordination

Financial and administrative coordination including scholarship management, reporting and finances of the Masters Course will be handled by the EM-AM Secretariat under supervision of the Coordinator (Innsbruck University). At the other universities, there will be one contact person concerning administrative business.

EM-AM Secretariat  
AstroMundus  
c/o: Institute of Astro and Particle Physics  
Innsbruck University  
Technikerstraße 25  
6020 Innsbruck  
AUSTRIA

### 2. EU contribution

Each year the EACE Agency will determine the Community grant in accordance with the rules set out in the Erasmus Mundus Calls for Proposals and the application form.

The grant will be broken down into:

- An annual flat rate of 30,000 € for the consortium offering the Masters Course
- Scholarship type A funds for the Masters Course to be paid to selected third-country students;
- Scholarship type B funds for the Masters Course to be paid to selected other students;
- Scholarship funds for the Masters Course to be paid to selected third-country scholars.
- Scholarship funds for the Masters Course to be paid to selected EU scholars sent to the third country partner institution.

### 3. Financial arrangements

All money i.e. grant from EU, scholarships and subscription fees of students without scholarship will be put on a separate bank account number at Innsbruck University reserved for the EM-AM consortium:

Name of bank:	Hypo Tirol Bank AG
Address of branch:	47A, Innrain, Innsbruck
Precise denomination of the account holder:	UNIVERSITAT INNSBRUCK
Full account number (including bank codes):	AT125700030053163804

### 4. Subscription fees 2010-11

The EM-AM consortium will charge a common subscription fee for the entire Masters Course.

The subscription fees are the same, irrespective of the chosen study track

- |                          |  |
|--------------------------|--|
| - EU students            | 3,000 € per academic year, 6,000 € in total  |
| - Third-country students | 7,000 € per academic year, 14,000 € in total |

#### 4a. the subscription fees include the following costs:

- Registration in all universities which were selected by the student for a full joint degree eligible mobility period
- Covering the individual local costs for enrolment as given below and
- Students Insurance according to the requirements by the EACEA
- Staffing an administrative assistant;



- Communicating and exchange needs of the consortium. This will include production of brochures and documentation, development and maintenance of website, mailing to third countries, travel of International Advisory Board, travel of the Selection Committee and travel of the Consortium Board;
- Academic management of the EM-AM MSc Course; edition of the EM-AM Diploma;
- Supplements; and
- General administration of the consortium

4b. Use of budget will be decided by the consortium on proposal from coordinator. Attached you will find the budget for first two years course, agreed by the Consortium Committee.

4c. Subscription fees of all EM-AM students are paid to the bank account of Innsbruck University. The Coordinator will transfer the agreed institutional subscription fees to the accounts indicated by the respective institutions.

4d. The EM-AM office will set up an adequate accounting system, which must make it possible to identify the payment of scholarships to students and scholars.

#### 5. Scholarships

On behalf of the EM-AM consortium, the EM-AM Secretariat pays the scholarships funds to the grantees, i.e. the monthly payment of scholarship after deduction of the subscription fee, transferred on a personal European bank account number. The local representatives of each site and the EM National Coordinating Structures hold, according to section 4.4 of the EMPG, the information about different taxation policies for the students.

The amount of scholarships (after deduction of the subscription fee) for non-European students enrolled 2010-2012 is 1,000€ per month (24 months) plus 2 x a fixed amount of 4,000 € for travel and installation, in total 32,000 € for a two-year course.

The amount of scholarships (after deduction of the subscription fee) for European students enrolled 2010-2012 is 500 € per month (24 months) plus, if a mobility period in Belgrade is selected 1 x a fixed amount of 3,000 €, in total 12,000 € without and 15,000 € with mobility period in Belgrade for a two-year course.

The amount of scholarships for scholars is 1,200 € per week for a maximum duration of 3 months per scholar. It's on behalf of the scholar to take care of possible taxation (e.g. in his home country of residence). For local taxation at the site the personal departments of the universities where the scholar is giving lectures will give advice (and in most cases will be able to administrate the contract including national taxations).

6. Every student, independent whether he receive a scholarship or not, has to sign an agreement which specifies the terms of EM-AM set out in a "Letter of Agreement". This Letter of Agreement will be signed by the coordinator and student at the time of arrival in Innsbruck.

All transactions relating to the scholarship scheme will be recorded using a numbering system in which the scholarship scheme is given a specific identifiable number.

7. The EM-AM consortium pre-select and the European Commission select persons who receive an Erasmus Mundus scholarship.

#### 8. Reporting

The EM-AM consortium has to submit two Progress Reports and a Final Report. Each report form consists of a technical and a financial part. The dates of submission of Reports for a two-year Masters course starting in year  $t$  are:

- a Progress Report to be submitted by 15 March (year  $t+1$ )
- a Progress Report to be submitted by 15 September (year  $t+1$ )
- a Final Report to be submitted by 15 September (year  $t+2$ )

If a Report is not presented in its correct form or is presented in an incomplete way, the Agency may not analyse it until its formal presentation is correct. If the Agency is not able to obtain the Report in the correct



format, the grant may be revoked, the Masters Course cancelled and the Beneficiary required reimbursing to the Agency the grant already paid.

In addition to the Reports, the Agency may, at any time, request the EM-AM consortium to produce an additional report on the progress of the Masters Course and the scholarships to date, covering both its technical and financial aspects.

- 7a The Partners have to provide the Coordinator with the information, and reports as the Coordinator requires in order to perform its duties under the Framework Partnership Agreement at latest 4 weeks before the deadlines given above or as the EACE Agency may request at latest 3 weeks after such an additional request arrived.

All information and reports shall be submitted by the Partners in an electronic form as requested and stipulated by the Coordinator.

- 8a. At the end of the five-year period for which a Masters Course has been selected, the co-ordinating institution of the consortium shall submit a Final Summary Report on the experience of running the Masters Course and the scholarship scheme. This Final Summary Report will cover the whole five-year period and will be a summary of the findings of the annual Final Reports. A report form for this Final Summary Report will be made available in due course.
9. The Consortium Committee decides every year on the proposed budget, the allocation of specific tasks and the spending of the money. The amounts mentioned in the agreement can be changed at any time on proposal of the Coordinator





## Budget overview (estimate) for the 2010-2012 course:

The budget overview as an estimation containing all cost categories agreed on in the consortium. The final transfer will be recalculated based on the student's path. In case of a balance problem (e.g. due to dropouts or unexpected expenses) the consortium board has to decide on a new calculation.

### 1.) Income:

EU lump sum	€ 30.000,00		
A students fee	€ 3.500,00		
B students fee	€ 1.500,00		→ average fee
mixture ratio (B:A) like that of EU grants	0,44		€ 2.611,11
assumed number of students			<b>Possible RANGE of TOTAL</b>
	18	€ 188.000,00	from € 218.000,00
	40	€ 417.777,78	to € 447.777,78

### 2.) Expenses:

#### 2.1.) Central administration and course installation costs:

Homepage and Installations 11/2009-1/2010	Contract Kathrina Nimeth (homepage & admin)	€ 4.945,45		
				transfer
	Poster Printing in Padua	€ 912,00		PD
	mail charges for Posters in Padua	€ 487,07		PD
	installation of joint degree in Belgrade	€ 2.000,00		BG
administrative secretariat	installation period			
salaries are valorised 3% per anno	salary IIIb/B1 KV 50% position 2/2010-9/2010	€ 10.365,86		
	first academic year			
	salary IIIb/B1 KV 50% position 10/2010-9/2011	€ 15.898,63		
	share of second academic year			
	salary IIIb/B1 KV 25% position 10/2011-9/2012	€ 8.007,62		
travels to coordinators conference Brussels	two persons autumn 2010	€ 2.400,00		
	two persons autumn 2011	€ 2.400,00		
	two persons autumn 2012	€ 2.400,00		
meeting of science advisory board	spring 2012	€ 6.000,00		
Diploma Award for the best thesis	July 2012	€ 1.000,00		
Healthcare and Insurance for Students	assumed number of students			<b>Possible RANGE of TOTAL</b>
10/2010-9/2012	18	€ 17.280,00		from € 74.096,63
	40	€ 38.400,00		to € 95.216,63
				costs / (student * semester)
				from € 1029,12
				to € 595,10



2.2.) course costs in Innsbruck:

travels of board, SC and QAC	
1/2010 - 9/2010	€ 5.400,00
10/2010 - 9/2011	€ 5.400,00
assumed total number of students	
18	
40	

Tutor (gross) LVK3 from KV (50%)
€ 612,38 per SWS
29,725 % employers share + pension fund

		ÖH membership	language course	hours/week (SWS) tutor lecturing	Parallel groups	
assumed number in S1	18	€ 288,00	€ 1.440,00	8	3	€ 19.065,84
	40	€ 640,00	€ 3.200,00		6	€ 38.131,68
assumed number in S2	0	€ 288,00	€ 0,00			
	0	€ 640,00	€ 0,00			
assumed number in S3	0	€ 288,00	€ 0,00			
	0	€ 640,00	€ 0,00			
assumed number in S4	4	€ 288,00	€ 0,00		thesis tutor	€ 1.636,48
	8	€ 640,00	€ 0,00			

<b>Possible RANGE of TOTAL</b>
from € 34.094,32
to € 56.328,16
costs / (student * semester)
from € 1.549,74
to € 1.173,50

2.3.) course costs in Padua:

travels of board, SC and QAC	
1/2010 - 9/2010	€ 6.300,00
10/2010 - 9/2011	€ 6.300,00
EVO videocon utility	€ 250
assumed total number of students	
18	
40	

tutor (gross)	per 30 h = 2 SWS
675 €	

		129 € / year enrolment	3% of fee (assuming A&B average)	hours/week (SWS) tutor lecturing	parallel groups	
assumed number in S1	0	€ 0,00	€ 0,00			
	0	€ 0,00	€ 0,00			
assumed number in S2	9	€ 1.161,00	€ 705,00	6	2	€ 5.400,00
	20	€ 2.580,00	€ 1.566,67		4	€ 10.800,00
assumed number in S3	0	€ 0,00	€ 0,00			
	0	€ 0,00	€ 0,00			
assumed number in S4	3	€ 387,00	€ 235		thesis tutor	€ 1.390,50
	8	€ 1.032,00	€ 626,67			

<b>Possible RANGE of TOTAL</b>
from € 22.128,50
to € 30.845,83
costs / (student * semester)
from € 1.844,04
to € 1.101,64



2.4.) course costs in Roma:

travels of board, SC and QAC	
1/2010 - 9/2010	€ 6.300,00
10/2010 - 9/2011	€ 6.300,00
EVO videocon utility	€ 250
assumed total number of students	
18	
40	

tutor (gross)	per 30 h = 2 SWS
675 €	

				hours/week (SWS) tutor lecturing	parallel groups	
assumed number in S1	0					
	0					
assumed number in S2	9			8	2	€ 5.400,00
	20				4	€ 10.800,00
assumed number in S3	6			8	2	€ 5.400,00
	14				4	€ 10.800,00
assumed number in S4	4				thesis tutor	€ 1.390,50
	8					

<b>Possible RANGE of TOTAL</b>	
from	€ 25.040,50
to	€ 35.840,50
costs / (student * semester)	
from	€ 1.317,92
to	€ 853,35

2.5.) course costs in Göttingen:

travels of board, SC and QAC	
1/2010 - 9/2010	€ 6.300,00
10/2010 - 9/2011	€ 6.300,00
EVO videocon utility	€ 250
assumed total number of students	
18	
40	

tutor (gross)	
€ 500,00	per two SWS
including	employers share

		200 € / semester ASTA + social program		hours/week (SWS) tutor lecturing	parallel groups	
assumed number in S1	0	€ 0,00				
	0	€ 0,00				
assumed number in S2	0	€ 0,00				
	0	€ 0,00				
assumed number in S3	6	€ 1.200,00		6	2	€ 3.000,00
	14	€ 2.800,00			4	€ 6.000,00
assumed number in S4	4	€ 800,00			thesis tutor	€ 1.030,00
	8	€ 1.600,00				

<b>Possible RANGE of TOTAL</b>	
from	€ 18.880,00
to	€ 24.280,00
costs / (student * semester)	
from	€ 1.888,00
to	€ 1.103,64



## 2.6.) course costs in Belgrade:

travels of board, SC and QAC	
1/2010 - 9/2010	€ 6.300,00
10/2010 - 9/2011	€ 6.300,00
Language course	€ 1.124,09
EVO videocon utility	€ 250
assumed total number of students	
18	
40	

	language course (3h / week)	lecturer	tutor
	(gross) 3h/week	(gross) 2h/week	
2009	€ 1.059,56	€ 706,37	€ 415,51
2010	€ 1.091,35	€ 727,56	€ 427,98
2011	€ 1.124,09	€ 749,39	€ 440,81
2012	€ 1.157,81	€ 771,87	€ 454,04

		30 € / year enrolment for all students	8% of fee (assuming A&B average)	hours/week (SWS) tutor lecturing	groups	
assumed number in S1	0	€ 0,00	€ 0,00			
	0	€ 0,00	€ 0,00			
assumed number in S2	0	€ 0,00	€ 0,00			
	0	€ 0,00	€ 0,00	tutoring (h/w)	groups	
assumed number in S3	6	€ 540,00	€ 1.253,33	4	1	€ 881,63
	12	€ 1.200,00	€ 2.506,67		2	€ 1.763,26
				lecturing (h/w)		
				6		€ 2.248,16
assumed number in S4	3	€ 0,00	€ 626,67		thesis tutor	€ 881,63
	8	€ 0,00	€ 1.671,11			

### Possible RANGE of TOTAL

from € 20.405,51  
to € 24.244,92

costs / (student \* semester)  
from € 2.267,28  
to € 1.212,25

## 3) Overview

assumed number of students	Income	central costs	
18	€ 218.000,00	€ 74.096,63	
40	€ 447.777,78	€ 95.216,63	
per student/ semester			remains
	€ 3.027,78	€ 1.029,12	€ 1.998,66
	€ 2.798,61	€ 595,10	€ 2.203,51

assumed number of students	Innsbruck	Padua	Roma	Göttingen	Belgrade		balance
18	€ 34.094,32	€ 22.128,50	€ 25.040,50	€ 18.880,00	€ 20.405,51		€ 23.354,53
40	€ 56.328,16	€ 30.845,83	€ 35.840,50	€ 24.280,00	€ 24.244,92		€ 181.021,73
per student/ semester							
	€ 1.549,74	€ 1.844,04	€ 1.317,92	€ 1.888,00	€ 2.267,28		
	€ 1.173,50	€ 1.101,64	€ 853,35	€ 1.103,64	€ 1.212,25		

The balance of 10 % which have to be assumed for the starting courses can be used for a maximum of 2 student fee waivers – the remaining 4% then is for unexpected expenses and for reduction of the income due to students dropouts. In case of dropouts the current semester costs are carried kept stable for the partner, but reductions/refunding for the next semester have to be applied.

## 4) Costs of a fee waiver





As the students path and the required splitting of groups is hard to estimate this is only a crude valuation

Insurance and healthcare	€ 960,00	
ÖH membership	€ 64,00	
Innsbruck tutoring S1 (averaged)	€ 1.059,21	tutoring = (costs/group)/(group size) this is an uncertain estimator as sometimes a new group starts sometimes not
Rome or Padua tutoring S2 (averaged)	€ 675,00	
Göttingen, Rome or Belgrade tutoring	€ 764,16	
thesis tutor	€ 0,00	costs / site and thus nothing additional
Belgrade lecturing	€ 0,00	costs / course and thus nothing additional
Belgrade enrolment	€ 30,00	
Belgrade S3/S4 fee if there	€ 208,89	
Göttingen S3/S4 fee if there	€ 200,00	
German language course	€ 160,00	
Italian language course	€ 0,00	
Serbian Language course	€ 0,00	costs / course and thus nothing additional
	4 semesters	average/semester
<b>only IBK, PD + Roma</b>	<b>€ 3.623,21</b>	€ 905,80
<b>Göttingen or Belgrade one semester</b>	<b>€ 3.916,81</b>	€ 979,20
<b>Göttingen or Belgrade two semesters</b>	<b>€ 4.121,26</b>	€ 1.030,31



There exist 4 versions of the Students agreement:

1. *Third country students (A) receiving an EMMC scholarship*
2. *EU students (B) receiving an EMMC scholarship*
3. *Students receiving no EMMC scholarship but being selected for a tuition fee waiver*
4. *Students receiving no scholarship by the consortium*





ERASMUS MUNDUS

European Master in  
Astrophysics



### LETTER OF AGREEMENT

#### Students from third countries receiving an EMMC scholarship grant (A-students scholarship)

##### Preamble:

This agreement sets out the role, rights and duties of the parties directly involved in ensuring the successful completion of the Erasmus Mundus Joint Degree Masters Course Astrophysics (EM-AM - AstroMundus) joint master course by the student mentioned below. The parties commit to comply with local rules and customary practices. Partners of the consortium are the University of Innsbruck (Austria) as Coordinator, University of Padua (Italy), University of Rome Tor Vergata (Italy), University Göttingen (Germany) and the University of Belgrade (Serbia) as third country partner.

This agreement is subject to the general terms and conditions of the on Framework Partnership Agreement number 2010-0135/001 (thereafter called "FPA") and the regulations of the Erasmus Mundus Program Guide (thereafter called "EMPG" - [http://eacea.ec.europa.eu/erasmus\\_mundus/programme/programme\\_guide\\_en.php](http://eacea.ec.europa.eu/erasmus_mundus/programme/programme_guide_en.php)).

##### The undersigned

1. Innsbruck University, represented by the coordinator of the EM-AM, Prof. Dr. Sabine Schindler
2. <fill in name of student> , born <fill in date and place>, nationality <fill in nationality >, identified by passport number <fill in passport number> hereinafter referred to as Student

have agreed as follows:

##### Article 1: amount and payment of the grant

1.1. Student will receive a scholarship of category A granted by the European Commission as described in the EMPG. The amount of scholarships for students starting in the academic year 2010-11 (after deduction of the subscription fee) is 1,000€ per month (24 months) plus 2 x a fixed amount of 4,000 € at the beginning of each academic year for travel and installation, in total 32,000 € for a two-year course. The scholarship will be paid over monthly over the period provided that the student complies with article 2.

1.2. Student will open a European bank account number and will provide the full details of this account to assistant of the EM-AM technical secretariat. EM-ABG will transfer the grant to this



account number. The EM-AM technical secretariat is able to provide assistance in establishing such an account at a local bank in Innsbruck.

1.3. Student agrees that EM-AM will deduct the subscription fee of € 3,500 per semester over the four term period of the programme. This covers all "Participation costs". "Participation costs" must be understood as any compulsory administrative/operational cost related to the participation of the student in the EMMC (e.g. library, laboratory, tuition, social security and insurance costs, etc.) for two academic years. If an extension is required to finalize the studies, exams, thesis or thesis defence beyond September 30<sup>th</sup> 2012, unless otherwise noted in the FPA Annex I (e.g. prolonged illness or for parental leave), its on the students responsibility according to the national regulations of the institution were the thesis defence is foreseen to cover all further participation costs. Additionally the Austrian ÖH Beitrag (currently about 16 €) have to be paid to the Austrian Students Association to obtain the joint degree.

1.4. Any other costs that may be charged in addition (e.g. for participation in excursion activities), being compulsory or voluntary, will be charged in addition. A list of such costs will be communicated to the candidate and maintained at the homepage of the consortium <http://www.astromundus.eu>.

1.5. The scholarship does not create or entitle an employer-employee relation between the University and the Student, and therefore is not subject to direct taxation.

## Article 2: attendance of courses and assessments

2.1. Under the present contract, the Student is obliged

- To attend assiduously, and with the objective of successfully passing, the modules, and the thesis inherent in the programme of studies.
- Not to receive any other scholarship or subvention financed by the European Commission under other Community programmes
- As this type of scholarship is considered by the EU as "full scholarship", the student is not entitled to embark on any vocational occupation with a regular salary in parallel to the studies under the ERASMUS MUNDUS European Masters.

2.2. If the Student does not make sufficient progress, the payment of the scholarship maybe suspended or terminated.

2.3. Any deliberate failure on the part of the Student to fulfil the conditions expected in terms of attendance at the ERASMUS MUNDUS European Masters, in particular non-fulfilment of the conditions stipulated in the present Contract, constitutes sufficient reason for action to be taken towards resolving the issue and could led to reimbursement of the scholarship awarded. In the case of reimbursement, the Institution will determine the amount to be reimbursed.

2.4. The student affirms that his status conforms the rules for Category A scholarships in the Erasmus Mundus Program Guide. Especially that he does not hold in parallel an other nationality than that mentioned above from an EU or EFTA country, that he does not benefit from another Community grant, nor he was beneficiary of a previous master course grant of the Community, nor that he was residents nor have carried out his/her main activities (studies,





training or work) for more than a total of 12 months over the last five years in one of the eligible applicant countries of the EMMC programmes.

Article 3: accidents, insurance and modifications of the contract

3.1. The Institution is exonerated from any responsibility for accidents, illnesses, injuries, losses or damages to persons or goods resulting from or in any way related to the activities that are the object of the present Contract. The Student is obliged to accept the necessary insurance related to the activities for the full duration of the study period.

3.2. Any alteration to the present Contract must be communicated in writing. All alterations to the initial situation must be immediately communicated by the Student to the Institution. Upon mutual agreement of contractual modifications, the Institution will issue an addendum to the present contract.

Without prejudice to the general consequences laid down in national law applicable in the present Contract, the Institution reserves the right to cease the effects of the present Contract, without recourse to any juridical procedure apart from adequate communication to the student. Failing agreement by both parts, the Austrian courts are designated as the only competent authorities to resolve any legal dispute between the Institution and the Student emerging from the Contract. The present Contract will be governed by Austrian Law.

The signatories declare that they have read and accept the conditions laid down in the present Contract.

The Student agrees with the terms of this contract by signing the copy and returning it to:

EM-AM Secretariat  
c/o Institute of Astro and Particle Physics  
Innsbruck University  
Technikerstrasse 25  
6020 Innsbruck  
AUSTRIA

Signed in twofold at Innsbruck,

Innsbruck University

Student

Prof.Dr.Sabine Schindler  
Coordinator EM-AM

<fill in name of student> ,

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_





Education and Culture DG

ERASMUS MUNDUS



European Master in  
Astrophysics



### LETTER OF AGREEMENT

Students from EU countries or third countries where rules of an A-scholarships do not apply  
receiving an EMMC scholarship grant (B-students scholarship)

#### Preamble:

This agreement sets out the role, rights and duties of the parties directly involved in ensuring the successful completion of the Erasmus Mundus Joint Degree Masters Course Astrophysics (EM-AM - AstroMundus) joint master course by the student mentioned below. The parties commit to comply with local rules and customary practices. Partners of the consortium are the University of Innsbruck (Austria) as Coordinator, University of Padua (Italy), University of Rome Tor Vergata (Italy), University Göttingen (Germany) and the University of Belgrade (Serbia) as third country partner.

This agreement is subject to the general terms and conditions of the on Framework Partnership Agreement number 2010-0135/001 (thereafter called "FPA") and the regulations of the Erasmus Mundus Program Guide (thereafter called "EMPG" - [http://eacea.ec.europa.eu/erasmus\\_mundus/programme/programme\\_guide\\_en.php](http://eacea.ec.europa.eu/erasmus_mundus/programme/programme_guide_en.php)).

#### The undersigned

1. Innsbruck University, represented by the coordinator of the EM-AM, Prof. Dr. Sabine Schindler
2. <fill in name of student> , born <fill in date and place>, nationality <fill in nationality >, identified by passport number <fill in passport number> hereinafter referred to as Student

have agreed as follows:

#### Article 1: amount and payment of the grant

1.1. Student will receive a scholarship of category B granted by the European Commission as described in the EMPG. The amount of scholarships for students starting in the academic year 2010-11 (after deduction of the subscription fee) is 500€ per month (24 months). For Installation and travel for a mobility period to the third country Serbia additionally 1 x a fixed amount of 3,000 € may be granted. This gives a total 12,000 € without and 15,000 € with mobility period in Belgrade for a two-year course. The scholarship will be paid over monthly over the period provided that the student complies with article 2.



1.2. Student will open a European bank account number and will provide the full details of this account to assistant of the EM-AM technical secretariat. EM-ABG will transfer the grant to this account number. The EM-AM technical secretariat is able to provide assistance in establishing such an account at a local bank in Innsbruck.

1.3. Student agrees that EM-AM will deduct the subscription fee of € 1,500 per semester over the four term period of the programme. This covers all "Participation costs". "Participation costs" must be understood as any compulsory administrative/operational cost related to the participation of the student in the EMMC (e.g. library, laboratory, tuition, social security and insurance costs, etc.) for two academic years. If an extension is required to finalize the studies, exams, thesis or thesis defence beyond September 30<sup>th</sup> 2012, unless otherwise noted in the FPA Annex I (e.g. prolonged illness or for parental leave), its on the students responsibility according to the national regulations of the institution were the thesis defence is foreseen to cover all further participation costs. Additionally the Austrian ÖH Beitrag (currently about 16 €) have to be paid to the Austrian Students Association to obtain the joint degree.

1.4. Any other costs that may be charged in addition (e.g. for participation in excursion activities), being compulsory or voluntary, will be charged in addition. A list of such costs will be communicated to the candidate and maintained at the homepage of the consortium <http://www.astromundus.eu>.

1.5. The scholarship does not create or entitle an employer-employee relation between the University and the Student, and therefore is not subject to direct taxation.

## Article 2: attendance of courses and assessments

2.1. Under the present contract, the Student is obliged

- To attend assiduously, and with the objective of successfully passing, the modules, and the thesis inherent in the programme of studies.
- Not to receive any other scholarship or subvention financed by the European Commission under other Community programmes
- As this type of scholarship is considered by the EU as "financial contribution", the student is may embark on any vocational occupation with a regular salary in parallel to the studies under the ERASMUS MUNDUS European Masters. It is then on the student to carry out declaration and possible taxation of the scholarship grant according to national laws of his main residence.

2.2. If the Student does not make sufficient progress, the payment of the scholarship maybe suspended or terminated.

2.3. Any deliberate failure on the part of the Student to fulfil the conditions expected in terms of attendance at the ERASMUS MUNDUS European Masters, in particular non-fulfilment of the conditions stipulated in the present Contract, constitutes sufficient reason for action to be taken towards resolving the issue and could led to reimbursement of the scholarship awarded. In the case of reimbursement, the Institution will determine the amount to be reimbursed.

2.4. The student affirms that his status conforms the rules for Category B scholarships in the Erasmus Mundus Program Guide. Especially that he does not benefit from another Community grant, nor was he beneficiary of a previous master course grant of the Community.



Article 3: accidents, insurance and modifications of the contract

3.1. The Institution is exonerated from any responsibility for accidents, illnesses, injuries, losses or damages to persons or goods resulting from or in any way related to the activities that are the object of the present Contract. The Student is obliged to accept the necessary insurance related to the activities for the full duration of the study period.

3.2. Any alteration to the present Contract must be communicated in writing. All alterations to the initial situation must be immediately communicated by the Student to the Institution. Upon mutual agreement of contractual modifications, the Institution will issue an addendum to the present contract.

Without prejudice to the general consequences laid down in national law applicable in the present Contract, the Institution reserves the right to cease the effects of the present Contract, without recourse to any juridical procedure apart from adequate communication to the student. Failing agreement by both parts, the Austrian courts are designated as the only competent authorities to resolve any legal dispute between the Institution and the Student emerging from the Contract. The present Contract will be governed by Austrian Law.

The signatories declare that they have read and accept the conditions laid down in the present Contract.

The Student agrees with the terms of this contract by signing the copy and returning it to:

EM-AM Secretariat  
c/o Institute of Astro and Particle Physics  
Innsbruck University  
Technikerstrasse 25  
6020 Innsbruck  
AUSTRIA

Signed in twofold at Innsbruck,

Innsbruck University

Student

Prof.Dr.Sabine Schindler  
Coordinator EM-AM

<fill in name of student> ,

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_







ERASMUS MUNDUS



European Master in Astrophysics



**LETTER OF AGREEMENT**  
**Students without EMMC scholarship grant**  
**obtaining a tuition fee waiver by the consortium**

**Preamble:**

This agreement sets out the role, rights and duties of the parties directly involved in ensuring the successful completion of the Erasmus Mundus Joint Degree Masters Course Astrophysics (EM-AM - AstroMundus) joint master course by the student mentioned below. The parties commit to comply with local rules and customary practices. Partners of the consortium are the University of Innsbruck (Austria) as Coordinator, University of Padua (Italy), University of Rome Tor Vergata (Italy), University Göttingen (Germany) and the University of Belgrade (Serbia) as third country partner.

This agreement is subject to the general terms and conditions of the on Framework Partnership Agreement number 2010-0135/001 (thereafter called "FPA") and the regulations of the Erasmus Mundus Program Guide (thereafter called "EMPG" - [http://eacea.ec.europa.eu/erasmus\\_mundus/programme/programme\\_guide\\_en.php](http://eacea.ec.europa.eu/erasmus_mundus/programme/programme_guide_en.php)).

**The undersigned**

1. Innsbruck University, represented by the coordinator of the EM-AM, Prof. Dr. Sabine Schindler
2. <fill in name of student> , born <fill in date and place>, nationality <fill in nationality >, identified by passport number <fill in passport number> hereinafter referred to as Student

have agreed as follows:

Article 1: amount of allowance and coverage

1.1. Student agrees that EM-AM will waive the subscription fee of € 3,500 (third country) or € 1,500 € (EU country) per semester over the four term period of the programme. The consortium covers by this allowance all "Participation costs". "Participation costs" must be understood as any compulsory administrative/operational cost related to the participation of the student in the EMMC (e.g. library, laboratory, tuition, social security and insurance costs, etc.) for two academic years. If an extension is required to finalize the studies, exams, thesis or thesis defence beyond September 30<sup>th</sup> 2012, unless otherwise noted in the FPA Annex I (e.g. prolonged illness or for parental leave), its on the students responsibility according to the national regulations of the institution were the thesis defence is foreseen to cover all further



participation costs. Additionally the Austrian ÖH Beitrag (currently about 16 €) have to be paid to the Austrian Students Association to obtain the joint degree.

1.2. Any other costs that may be charged in addition (e.g. for participation in excursion activities), being compulsory or voluntary, will be charged in addition. A list of such costs will be communicated to the candidate and maintained at the homepage of the consortium <http://www.astromundus.eu>.

1.3. The allowance does not create or entitle an employer-employee relation between the University and the Student, and therefore is not subject to direct taxation.

## Article 2: attendance of courses and assessments

2.1. Under the present contract, the Student is obliged

- To attend assiduously, and with the objective of successfully passing, the modules, and the thesis inherent in the programme of studies.
- As this type of allowance is considered as “minor financial contribution”, the student may embark on any vocational occupation with a regular salary in parallel to the studies under the ERASMUS MUNDUS European Masters. It is then on the student to carry out declaration and possible taxation of the scholarship grant according to national laws of his main residence.

2.2. If the Student does not make sufficient progress, the allowance maybe suspended or terminated.

2.3. Any deliberate failure on the part of the Student to fulfil the conditions expected in terms of attendance at the ERASMUS MUNDUS European Masters, in particular non-fulfilment of the conditions stipulated in the present Contract, constitutes sufficient reason for action to be taken towards resolving the issue and could led to reimbursement of the scholarship awarded. In the case of reimbursement, the Institution will determine the amount to be reimbursed.



Article 3: accidents, insurance and modifications of the contract

3.1. The Institution is exonerated from any responsibility for accidents, illnesses, injuries, losses or damages to persons or goods resulting from or in any way related to the activities that are the object of the present Contract. The Student is obliged to accept the necessary insurance related to the activities for the full duration of the study period.

3.2. Any alteration to the present Contract must be communicated in writing. All alterations to the initial situation must be immediately communicated by the Student to the Institution. Upon mutual agreement of contractual modifications, the Institution will issue an addendum to the present contract.

Without prejudice to the general consequences laid down in national law applicable in the present Contract, the Institution reserves the right to cease the effects of the present Contract, without recourse to any juridical procedure apart from adequate communication to the student. Failing agreement by both parts, the Austrian courts are designated as the only competent authorities to resolve any legal dispute between the Institution and the Student emerging from the Contract. The present Contract will be governed by Austrian Law.

The signatories declare that they have read and accept the conditions laid down in the present Contract.

The Student agrees with the terms of this contract by signing the copy and returning it to:

EM-AM Secretariat  
c/o Institute of Astro and Particle Physics  
Innsbruck University  
Technikerstrasse 25  
6020 Innsbruck  
AUSTRIA

Signed in twofold at Innsbruck,

Innsbruck University

Student

Prof.Dr.Sabine Schindler  
Coordinator EM-AM

<fill in name of student> ,

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_





ERASMUS MUNDUS



European Master in  
Astrophysics



**LETTER OF AGREEMENT**  
**Students without EMMC scholarship grant**

**Preamble:**

This agreement sets out the role, rights and duties of the parties directly involved in ensuring the successful completion of the Erasmus Mundus Joint Degree Masters Course Astrophysics (EM-AM - AstroMundus) joint master course by the student mentioned below. The parties commit to comply with local rules and customary practices. Partners of the consortium are the University of Innsbruck (Austria) as Coordinator, University of Padua (Italy), University of Rome Tor Vergata (Italy), University Göttingen (Germany) and the University of Belgrade (Serbia) as third country partner.

This agreement is subject to the general terms and conditions of the on Framework Partnership Agreement number 2010-0135/001 (thereafter called "FPA") and the regulations of the Erasmus Mundus Program Guide (thereafter called "EMPG" - [http://eacea.ec.europa.eu/erasmus\\_mundus/programme/programme\\_guide\\_en.php](http://eacea.ec.europa.eu/erasmus_mundus/programme/programme_guide_en.php)).

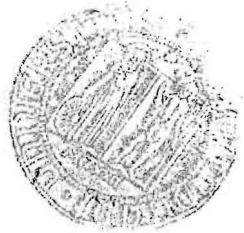
**The undersigned**

1. Innsbruck University, represented by the coordinator of the EM-AM, Prof. Dr. Sabine Schindler
2. <fill in name of student> , born <fill in date and place>, nationality <fill in nationality >, identified by passport number <fill in passport number> hereinafter referred to as Student

have agreed as follows:

Article 1: amount and payment of the tuition fee and coverage

1.1. Student agrees that EM-AM will charge a subscription fee of <fill in fee amount > (€ 3,500 for third country or € 1,500 € for EU country or EFTA-EEA state) per semester over the four term period of the programme. The consortium covers by this all "Participation costs". "Participation costs" must be understood as any compulsory administrative/operational cost related to the participation of the student in the EMMC (e.g. library, laboratory, tuition, social security and insurance costs, etc.) for two academic years. If an extension is required to finalize the studies, exams, thesis or thesis defence beyond September 30<sup>th</sup> 2012, unless otherwise noted in the FPA Annex I (e.g. prolonged illness or for parental leave), its on the students responsibility according to the national regulations of the institution were the thesis defence is



foreseen to cover all further participation costs. Additionally the Austrian ÖH Beitrag (currently about 16 €) have to be paid to the Austrian Students Association to obtain the joint degree.

1.2. Any other costs that may be charged in addition (e.g. for participation in excursion activities), being compulsory or voluntary, will be charged in addition. A list of such costs will be communicated to the candidate and maintained at the homepage of the consortium <http://www.astromundus.eu>.

1.3. The subscription does not create or entitle an employer-employee relation between the University and the Student, and therefore is not subject to direct taxation.

## Article 2: attendance of courses and assessments

2.1. Under the present contract, the Student is obliged

- To attend assiduously, and with the objective of successfully passing, the modules, and the thesis inherent in the programme of studies.
- To transfer the fee until 15<sup>th</sup> October, 15<sup>th</sup> March for Winter and Summer term respectively to the bank account of the EM-AM consortium:

Name of bank:	Hypo Tirol Bank AG
Address of branch:	47A, Innrain, Innsbruck
Precise denomination of the account holder:	UNIVERSITÄT INNSBRUCK
Full account number (including bank codes):	AT125700030053163804

2.2. Any deliberate failure on the part of the Student to fulfil the conditions expected in terms of attendance at the ERASMUS MUNDUS European Masters, in particular non-fulfilment of the conditions stipulated in the present Contract, constitutes sufficient reason for action to be taken towards resolving the issue.

## Article 3: accidents, insurance and modifications of the contract

3.1. The Institution is exonerated from any responsibility for accidents, illnesses, injuries, losses or damages to persons or goods resulting from or in any way related to the activities that are the object of the present Contract. The Student is obliged to accept the necessary insurance related to the activities for the full duration of the study period.

3.2. Any alteration to the present Contract must be communicated in writing. All alterations to the initial situation must be immediately communicated by the Student to the Institution. Upon mutual agreement of contractual modifications, the Institution will issue an addendum to the present contract.

Without prejudice to the general consequences laid down in national law applicable in the present Contract, the Institution reserves the right to cease the effects of the present Contract, without recourse to any juridical procedure apart from adequate communication to the student. Failing agreement by both parts, the Austrian courts are designated as the only competent authorities to resolve any legal dispute between the Institution and the Student emerging from the Contract. The present Contract will be governed by Austrian Law.





The signatories declare that they have read and accept the conditions laid down in the present Contract.

The Student agrees with the terms of this contract by signing the copy and returning it to:

EM-AM Secretariat  
c/o Institute of Astro and Particle Physics  
Innsbruck University  
Technikerstrasse 25  
6020 Innsbruck  
AUSTRIA

Signed in twofold at Innsbruck,

Innsbruck University

Student

Prof.Dr.Sabine Schindler  
Coordinator EM-AM

<fill in name of student> ,

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_



**Addendum 1. EM-AM Common agreement about Installation of the  
“ERASMUS MUNDUS Joint Masters Program in Astrophysics”**

The Agreement about the installation of the “ERASMUS MUNDUS Joint Masters Program in Astrophysics” has been signed by all university authorities (see pdf file).

