## ALMA MATER STUDIORUM - UNIVERSITA' DI BOLOGNA



### **DEPARTMENT OF STATISTICAL SCIENCES**

Master

in

QUANTITATIVE FINANCE

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## 1. Contacts

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In order to keep up with the latest news regarding academic activities, we suggest you to check regularly the following web pages:

- Master's Degree in Quantitative Finance > <a href="https://corsi.unibo.it/2cycle/Qfinance">https://corsi.unibo.it/2cycle/Qfinance</a>
- University of Bologna > <a href="http://www.unibo.it/en/homepage">http://www.unibo.it/en/homepage</a>

#### 2. DOUBLE DEGREE PRESENTATION

The Master's Degree in Quantitative Finance has undersigned two Agreements of Interuniversity Cooperation that permit students to get a degree both from the home and from one of the partner universities – hence, a double degree.

The agreements are as follows:

- 1) ARIMA Agreement
  - University of Economics, Katowice, Poland (UEK)
  - University of Applied Sciences BFI, Vienna, Austria (UAS bfi).
- 2) Agreement of Interuniversity Cooperation
  - <u>Ludwig-Maximilians-Universitat</u>, München, Germany (LMU)
  - Université D'Evry Val-D'Essonne, Evry, France (UEVE)

## 2.1 The Aim of the Project

Thanks to these agreements, the students of the Master in Quantitative Finance who decide to enroll in one of the partner universities' courses are given the opportunity to receive an academic degree from both the home and host institution.

To make this possible, the Parties offer equivalent curricula. Even though the foreign courses are structured in a different way, each university guarantees the correspondence of its course to the overall contents and learning outcomes defined in the ECTS description (see section 2.6 Reference tables). All the courses will be taught in English (except for learning activities at Evry).

Each University selects the students according to its own criteria. Generally speaking, the admission process is based on academic merit, past work, extracurricular experiences and motivation letter.

#### 2.2 Who can apply

To be eligible for the DD Programme, students must be enrolled in <u>the first year of the Master's Degree</u> in Quantitative Finance. The exchange period goes from a minimum of one semester to no longer than a full academic year.

#### 2.3 When and how to apply

In order to apply for the Double Degree Programme, students have to submit the Application within the Erasmus+ call. This is because, to provide financial support, we undersigned *Erasmus+ agreements* with the same universities of the *Double Degree*.

For this reason, students shall apply to the Erasmus+ Programme and then, if they meet the requirements, they will be admitted to the DD Programme too (which will get you the double certification).

The Erasmus+ call is usually published between January and February each year.

As for the structure of the call, you may choose up to two destinations and indicate which period you would prefer to spend abroad (semesters). The number of places available for each exchange Programme is mentioned in the call.

Universities usually admits up to four students for the DD Programme.

**Munich and Evry** Universities are of strictly quantitative orientation and have a high number of courses that require a deep knowledge in mathematical subjects.

A first cycle degree in Mathematics or Statistics or Engineering is strongly recommended and at least 28/30 in *mathematics and probability* is required by the University of Munich (Lmu).

A first cycle degree in mathematics is recommended and a knowledge of the French language is required (compulsory) by the University of Evry.

All the Partner Universities offer the possibility to spend there the second semester of the second year and therefore allow you to do your final exam/thesis abroad. The degree will then be recognized by the University of Bologna, which will issue the second final certificate (Double Degree).

#### 2.4 Erasmus+ Scholarship



#### Be careful!

Do not confuse the "DD Programme" and the "Erasmus+ Programme".

Erasmus+ is an exchange Programme and does not give you an additional title – you can use the Erasmus+ scholarship to fund your DD if you meet the requirements, though.

Please remember that winning an Erasmus+ Scholarship grants you the Erasmus+ scholarship and the admission to the Erasmus+ Programme, not to the DD.

Therefore, even if admitted to the Erasmus+ Programme for one of the above-mentioned destinations, all the students willing to take part in the DD Programme have to check with the Programme Coordinator, if they can be admitted to the DD Programme too. Students have to notify their intention of attending the DD Programme.

Usually students selected for Wien and Katowice within the Erasmus+ call are automatically accepted by the partner institutions in the framework of the DD agreement too. Evry and Munich, instead, check the curricula of selected students and they have the last word on the admission.

According to the Erasmus+ call the amount of each scholarship changes in relation to the country of destination (check the Erasmus+ call)

#### 2.5 How to choose your study plan

Once the Programme Coordinator has informed you that you have been selected for the Double Degree Programme, the first thing to do is to make sure that the host University receives your personal data from the University of Bologna. You should then refer to the Partner University to follow on with the DD admission procedure.

Remember to contact them with adequate advance notice, specifying your status (Erasmus+/DD and Erasmus+), in order to start the right procedure.

The next step is to choose the courses you will attend and to fill in both the Erasmus+ Learning Agreement and the Double Degree Form (DDF), following the reference tables and consulting the Programme Coordinator. Once it has been approved, you have to fill in the Learning Agreement in the same way. Please find be-

low an example of the **Double** Degree Form (pag.20). In order to obtain the Double Degree you must fulfil the following requirements:

Get at least 30 ECTS for one semester or 60 ECTS for hole year

Spend at least one semester at the host University

## Do not forget about this while selecting the subjects!

Below you can find the suggested Study paths for all destinations (Tab.1). Exceptions to these are allowed only in special cases, due to educational – scientific reasons. If you do not choose one of the suggested paths, the reference tables (pag.9) will help you to fill in the double degree form.

Tab. 1			
From Bolo	gna to Wien		
3rd Semester	4th Semester		
Programming and databases 4 ECTS	M 10 - Advanced Topics 6 ECTS		
Multivariate methods 5 ECTS	Thesis and diploma exam 24 ECTS		
Time series and analysis 3 ECTS			
Bank management 5 ECTS			
Risk controlling and Organisation of Market Risk 2 ECTS			
Risk controlling and Organisation of Credit Risk 3 ECTS			
Operational Risk for Banks 2 ECTS			
Choose between:			
M8 (ALM, Insurance) 9 ECTS			
Integrating Aspects of Asset Management 6 ECTS			
From Bologna	to Katowice		
3rd Semester	4th Semester		
Programming and databases 4 ECTS	M 10 - Advanced Topics 6 ECTS		
Multivariate methods 5 ECTS	Elective Course 6 ECTS		
Time series and analysis 3 ECTS	Thesis and diploma exam 18 ECTS		
Bank management 5 ECTS			
Risk controlling and Organisation of Market Risk 2 ECTS			
Risk controlling and Organisation of Credit Risk 3 ECTS			
Operational Risk for Banks 2 ECTS			
Choose between:			
M8 (ALM, Insurance) 9 ECTS			
Integrating Aspects of Asset Management 6 ECTS			

	From Bologna to Evry		
3rd S	emester	ECTS	ECTS
Méthodes numériques de pricing et calibration de modèles	Pricing and calibration methods in finance	6	
Calcul Stochastique	Stochastic calculus	6	
Finance de l'assurance Marchés financiers et finance actuariel- le	Finance of insurance Financial markets and actuarial finance	6	3
Gestion des risques	Risk management	6	
Modélisation de la courbe des taux	Interest rate modeling		3
Deep learning	Deep learning	6 out of	3
Econométrie financière	Financial Econometrics		3
Machine learning	Machine learning	6	
Anglais financier	Financial English	3	
Projet informatique	IT project	3	
Programmation informatique	Programming	6	
4th S	emester	ECTS	ECTS
Analyse stochastique	Stochastic analysis	4	
Contrôle stochastique	Stochastic control		2
Modélisation finance d'entreprise et de l'assurance	Corporate finance and insurance modeling	4	2
XVAs, FRTB, et analyse regulatory quant	XVAs, FRTB, and regulatory quant analysis	4	
Produits dérivés	Financial derivatives	4	
Techniques de machine learning pour le pricing d'options, la calibration de modèles, et la couverture	Machine learning techniques for option pricing, model calibration, and hedging		2
Données Haute Fréquence et carnets d'ordre	High-frequency data and limit order books	4 out of	2
Gestion d'actifs avancée	Advanced asset management	1	2
Préparation au TOEIC	Preparation to TOEIC	2	
Cutting edge finance	Cutting edge finance	4	

Stage professionnel Internship 12

From Bologna to Munich			
3rd Semester	ECTS		
Stochastic Calculus and Arbitrage Theory in Continuous Time	9 ECTS		
Advanced Topics in Mathematics A	9 ECTS		
Mathematische Statistik	9 ECTS		
Advanced Topics in Computer and Data Science A	9 ECTS		
Advanced Topics in Mathematics B	6 ECTS		
Advanced Topics in Financial Mathematics B	6 ECTS		
Advanced Topics in Computer and Data Science B	6 ECTS		
Internship	6 ECTS		
Actuarial Mathematics A	3 ECTS		
Actuarial Mathematics B	3 ECTS		
Actuarial Mathematics C	3 ECTS		
Seminar	3 ECTS		
TOTAL NUMBER OF ECTS	30 ECTS MINIMUM		
4th Semester	ECTS		
Master Thesis	27 ECTS		
Seminar	3 ECTS		
TOTAL NUMBER OF ECTS	30 ECTS		

### 2.6 Reference tables

The information contained in the following tables will help you to fill in the Double Degree Form. Equivalent exams are highlighted with the same color. You can choose courses from both the first and the second year. In order, you will find the reference tables for the ARIMA Agreement Universities (Katowice, and Vienna) and for the parties to the Agreement of Interuniversity Cooperation (Munich and Evry). To facilitate the comparison of the courses the table regarding the University of Bologna is provided at the beginning of each section.

### 2.6.1 ARIMA Agreement Universities:

UNIBO - University of Bologna

1 <sup>st</sup> year	Hours	ECTS	Semester	
MATHEMATICS AND PROBABILITY (I.C)				
CALCULUS	30	6	1	
PROBABILITY	30	6	1	
ACTUARIAL AND FINANCIAL MATHEMATICS(I.C.)				
FINANCIAL MATHEMATICS	30	6	2	
ACTUARIAL MATHEMATICS	30	6	2	
CORPORATE FINANCE AND RISK MANAGEMENT (I.C)				
CORPORATE FINANCE	30	6	1	
FINANCIAL RISK MANAGEMENT	30	6	2	
ECONOMICS OF FINANCIAL MARKETS	30	6	2	
STATISTICS AND ECONOMETRICS (I.C.)				
ECONOMETRICS	30	6	1	
STATISTICS	30	6	1	
FINANCIAL MARKET REGULATION	30	6	2	
2nd year				
NUMERICAL ANALYSIS (I.C.)				
COMPUTER PROGRAMMING	30	6	1	
NUMERICAL METHODS	30	6	1	
Choose 12 ECTS among (List A):				
ECONOMETRICS OF FINANCIAL MARKETS	30	6	1	

STATISTICS OF FINANCIAL MARKETS	30	6	1		
INTEREST RATE MODELS	30	6	1		
STATISTICAL METHODS FOR ASSET MANAGEMENT	30	6	2		
ADVANCED METHODS OF RISK MANAGEMENT 1	30	6	2		
ADVANCED METHODS OF RISK MANAGEMENT 2	30	6	2		
LIFE INSURANCE	30	6	1		
NON LIFE	30	6	1		
ADVANCED COMPUTATIONAL FINANCE	30	6	2		
ADVANCED TOPICS IN LIQUIDITY MANAGEMENT IN THE POST CRISIS ERA	30	6	1		
MARKET MICROSTRUCTURE AND HIGH FREQUENCY FINANCE	30	6	1		
Choose 12 ECTS among the following list or the previous list	A:				
INTERNSHIP	300	12			
FINANCIAL JOURNALISM	15	3			
TOPICS IN LIQUIDITY RISK	15	3	2		
COMPUTATIONAL FINANCE	15	3			
CREDIT RISK	30	6			
Choose 6 ECTS between:	Choose 6 ECTS between:				
WORKSHOP IN QUANTITATIVE FINANCE	30	6	2		
INTERNSHIP	150	6			
THECK AND FINAL EVANA		10	2		
THESIS AND FINAL EXAM		18	2		

UEK – University of Katowice and UASS-University of Applied Sciences (Wien)

		ECTS	Semester
M1 Fundamentals in Quantitative Methods and Fi- nance	Fundamentals of Mathematics and Statistics	4	1
Year 1	Fundamentals of Finance	5	1
	Fundamentals of Economics	3	1
	Programming and Databases	4	1
M2 Financial Eco- nometrics	Multivariate Methods	5	1
Year 1	Time Series Analysis	3	1
M3 Derivative pricing	Equity and Foreign Exchange Derivatives	2	1
Year 1	Fixed Income and Credit Derivatives	4	1
M9 (year 2)	Legal Framework and Ethics	3	1
M4 Risk Measure- ment	Measurement of Market Risk	4	2
Year 1	Measurement of Credit Risk	4	2
	Measurement of Non-Life Risk	2	2
	Measurement of Life Risk	3	2
M7 Asset Liability Management and Risk Mgmt for banks	Bank Management	5	1
	Risk Controlling and Organisation of Market Risk	2	1
Year 2	Risk Controlling and Organisation of Credit Risk	3	1
	Operational Risk for Banks	2	1
M5 Asset Manage- ment	Introduction to Asset Management	2	2
Year 1	Asset class Interest Rate Products	2	2
	Asset class Equity	2	2
	Asset class Foreign Exchange	1	2
	Asset class Credit Products	2	2
	Alternative Investments	2	2
	Structured Products	2	2

M8 Asset Liability Management and Risk Mgmt for In- surances and pen- sion funds	ALM and Insurance Management	3	1
	Management Life Risk	3	1
	Management Non-Life Risk	3	1
M9 Applied Asset Management year 2	Integrating Aspects of Asset Management	6	1
M6 Research Me- thods	Research Methods	1	2
Year 1	Research Seminar	3	2

UEK (4 semester)			
M10 Applied Research in Asset and Risk Mgmt Year 2	Advanced Topics in Insurance Management	6	2
	Elective	6	2
Master Thesis and Diploma Exam (Year 2)	Seminar	18	2

## 2.6.2 Agreement of Interuniversity Cooperation (Munich & Evry)

## UNIBO - University of Bologna

Year 1			
Course	Туре	Modules	ECTS
Mathematics and probability	Compulsory- Integrated	Calculus	6
		Probability	6
Actuarial and financial mathematics	Compulsory- Integrated	Financial mathematics	6
		Actuarial mathematics	6
Corporate finance and risk management	Compulsory- Integrated	Corporate finance	6
		Financial risk management	6
Economics of financial market	Compulsory	Economics of financial markets	6
Statistics and econometrics	Compulsory- Integrated	Econometrics	6
		Stochastic Processes	6
Financial market regulation	Compulsory	Financial market regulation	6
Year 2			
Numerical analysis	Compulsory	Computer programming	6
	Elective	Numerical methods	6
12 ECTS to be chosen among (List A):			
Econometrics of financial markets	Elective	Econometrics of financial markets	6
Statistics of financial markets	Elective	Statistics of financial markets	6
Interest rate models	Elective	Interest rate models	6
Credit derivatives	Elective	Credit derivatives	6
Financial Engineering for asset manage- ment	Elective	Financial Engineering for asset management	6

Statistical methods for asset manage-	Elective	Statistical methods for asset	6
ment		management	
Advanced methods of risk management 1	Elective	Advanced methods of risk management 1	6
Life insurance	Elective	Life Insurance	6
Non – life insurance	Elective	Non – Life Insurance	6
Advanced computational finance	Elective	Advanced Computational Finance	6
Market microstructure and high frequency finance	Elective	Market microstructure and high frequency finance	6
Advanced topics in liquidity management in the post crisis era	Elective	Advanced topics in liquidity management in the post crisis era	6
General electives: 12 ECTS among the followi (the following courses are offered in 2020 - 2		A or B:	
Internship			12
Financial journalism			3
Topics in liquidity risk			3
Credit risk			6
Arpm bootcamp			6
Fundamentals of interest rate models			6
Applied computational finance			3
Choose 6 ECTS among (List B):			
Workshop in quantitative finance			6
Internship			6
Advanced topics in quantitative methods in f	inance		6
Thesis and final examination			18
Total number of credits			120

# Paris Saclay (Evry)

## Pathway 1

Semester 1	Semester 1	ECTS	ECTS
Programmation avancée et projet	Advanced programming and project	S1	4
Processus stochastique	Stochastic process	S1	4
Analyse des données	Data analysis	S1	4
Recherche Opérationnelle	Operations research	S1	4
Méthodes de Régression Régularisées	Generalised linear models and extensions	S1	4
Projet informatique et méthodes agiles	IT project and agile methods	S1	4
Analyse Fonctionnelle	Functional analysis	S1	4
Langues	languages	S1	3
Economie-Gestion	Economics and management	S1	3
Semester 2	Semester 2	ECTS	ECTS
Stage entreprise ou laboratoire	Internship	S2	10
Calcul Stochastique	Stochastic calculus	S2	4
Analyse des EDP	PDE analysis	S2	4
Modélisation Statistique	Statistical modelling	S2	4
Méthodes de simulation	Simulation methods	S2	4
Instruments et Modèles financiers	Financial models and instruments	S2	4
Complément en Recherche opérationnelle	Advanced operations research	S2	4
Projet Recherche	Research project	S2	4
Pattern Recognition and Biometrics	Pattern Recognition and Biometrics	S2	4

## Pathway 2

Semester 1	Semester 1	ECTS	ECTS
Introduction au C++	Introduction to C++	S1	3
Probabilités	Probability	S1	5
Modèles linéaire	Linear models	S1	5
Optimisations et applications numériques	Optimisation and numerical applications	S1	3
Méthodes numériques	Numerical methods	S1	3
Introduction à l'apprentissage statistiques	Introduction to statistical learning	S1	3
EDP méthodes hilbertiennes	Hilbertian methods in PDEs	S1	3
Analyse Fonctionnelle	Functional analysis	S1	3
Anglais	English	S1	2
Marchés financiers	Financial markets	S1	3
Semester 2	Semester 2	ECTS	ECTS
Stage entreprise ou laboratoire	Company or laboratory internship	S2	12
Processus Stochastique	Stochastic process	S2	4
Series temporelles	Time series		
	Time series	S2	2
Apprentissage statistique et méthodes régularisée	Statistical learning and regularization	S2 S2	3
régularisée	Statistical learning and regularization	S2	3
régularisée  Analyse Fonctionnelle 2	Statistical learning and regularization Functional analysis 2	S2 S2	3
régularisée  Analyse Fonctionnelle 2  Mathématiques financières	Statistical learning and regularization  Functional analysis 2  Financial mathematics	\$2 \$2 \$2	3 2 3

Semester 3	Semester 3	ECTS	ECTS
Méthodes numériques de pricing et calibration de modèles	Pricing and calibration methods in finance	6	
Calcul Stochastique	Stochastic calculus	6	
Finance de l'assurance	Finance of insurance	6	3
Marchés financiers et finance actuarielle	Financial markets and actuarial finance		3
Gestion des risques	Risk management	6	
Modélisation de la courbe des taux	Interest rate modeling		3
Deep learning	Deep learning	6 out of	3
Econométrie financière	Financial Econometrics		3
Machine learning	Machine learning	6	
Anglais financier	Financial English	3	
Projet informatique	IT project	3	
Programmation informatique	Programming	6	
Semester 4	Semester 4	ECTS	ECTS
Analyse stochastique	Stochastic analysis	4	
Contrôle stochastique	Stochastic control		2
Modélisation finance d'entreprise et de l'assurance	Corporate finance and insurance modeling	4	2
XVAs, FRTB, et analyse regulatory quant	XVAs, FRTB, and regulatory quant analysis	4	
Produits dérivés	Financial derivatives	4	
Techniques de machine learning pour le pricing d'options, la calibration de modèles, et la couverture	Machine learning techniques for option pricing, model calibration, and hedging	4 out of	2
Données Haute Fréquence et carnets d'ordre	High-frequency data and limit order books		2

Gestion d'actifs avancée	Advanced asset management		2
Préparation au TOEIC	Preparation to TOEIC	2	
Cutting edge finance	Cutting edge finance	4	
Stage professionnel	Internship	12	

# LMU- Ludwig-Maximilians-University (Munich)

1. Semester		ECTS
Stochastic Calculus and Arbitrage Theory in Continuous Time	compulsory	9
Konzepte zum Schätzen und Testen	compulsory	9
Mathematisches Seminar A	compulsory	3
Electives I: 9 ECTS to be chosen among		
Financial Mathematics	elective	3
Actuarial Mathematics A	elective	3
Elective Topics in Business Administration (Theory) I	elective	6
Fachspezifische Grundlagen: Finance and Insurance	elective	9
Microeconomics	elective	6
Macroeconomics	elective	6
Econometrics	elective	6
2. Semester		ECTS
Numerical Methods in Financial Mathematics	compulsory	9
Ausgewählte Gebiete der theoretischen Statistik A	compulsory	6
Electives II: 9 ECTS to be chosen among		9
Quantitative Risk Management	elective	9
Fixed Income Markets and Credit Derivatives	elective	9
Electives III: 9 ECTS to be chosen among		6

Finance and Insurance I	elective		6
Advanced Topics in Statistics	elective		6
Advanced Topics in Computer Science	elective		6
3. Semester			ECTS
Internship	compulsory		6
Electives IV: at least 24 ECTS to be chosen among the following and Electives I & III, at least 9 ECTS from WP 13-20			
Advanced Topics in Mathematics A	elective	WP13	9
Advanced Topics in Mathematics B	elective	WP14	6
Advanced Topics in Financial Mathematics A	elective	WP15	9
Advanced Topics in Financial Mathematics B	elective	WP16	6
Advanced Topics in Financial Mathematics C	elective	WP17	3
Mathematisches Seminar B	elective	WP18	3
Actuarial Mathematics B		WP19	3
Actuarial Mathematics C	elective	WP20	3
Mathematische Statistik	elective		9
Ausgewählte Gebiete der Wirtschaftsstatistik A	elective		6
Advanced Topics in Computer and Data Science A	elective		9
Advanced Topics in Computer and Data Science B	elective		6
Elective Topics in Business Administration (Theory) II	elective		6
Elective Topics in Business Administration (Theory) III	elective		6
Elective Topics in Business Administration (Applied Theory) I	elective		3
4. Semester			ECTS
Master thesis	compulsory		27
Seminar	compulsory		3
Total Number of Credits			120

#### 2.6.3 The Form

Once you have chosen the courses you can start filling in the form. Here you have an example of a filled-in form.



#### DOUBLE DEGREE QUANTITATIVE FINANCE - outgoing

#### STUDENT'S PERSONAL DETAILS

Name and Sumame: E-mail Address: Registration number at the University of Bologna: Host University:

#### DETAILS OF THE STUDY PROGRAMME ABROAD

Scheduled length of stay: from.....till....

Planned Activity at the host University		Recognised course equivalent in Bologna	
Course titles	ECTS	Course titles	ECTS
Thesis and diploma		Workshop in	6
exam	24	Quantitative Finance	0
		Thesis and final exam	18
M10 – Applied		Elective Course	
Research in Asset and	6		6
Risk Management			
TOT.	30		30

Official Approval by the University of Bologna Prof.ssa Silvia Romagnoli Date and Signature

Official Approval by the Host University Date and Signature of the Coordinator

### 3. BACK IN BOLOGNA

You are finally back. Let's see what is left to do.

### 3.1 Mandatory documents

For the **Erasmus+ Scholarship**, the procedure for recognition of the exams needs to be carried out on the <u>AlmaRM</u> platform (you may find all the relevant information there). If you wish to do your *final exam at the Host University*, please make sure that the University of Bologna has recognized the courses you attended abroad **before** your graduation abroad.

These are the documents you must provide.

- Certificate of Period. This will allow you to receive the second tranche of the scholarship.
- *Transcript of Records*. This needs to be handed in to the DD Commission and is important for the assessment of the courses you took abroad.

Please find below the *conversion tables* for the exams you took at the Host University.

### **ARIMA Agreement**

Description	Bologna	Katowice	Wien
Highest level (cum laude)	30 e lode	5	1
Excellent	29-30	5	1
Very good	26-28	4,5	2
Good	24-25	4	2
Satisfactory	21-23	3,5	3
Sufficient	19-20	3	4
Barely passing	18	3	4
Fail	0-17	2	5

#### Agreement of Interuniversity Cooperation

Description	Bologna	Evry	München
Highest level (cum laude)	30 e lode	20-19	1,0
Excellent	30	18	1,0
Very good	28-29	17	1,3
Good	25-26-27	14-15-16	2,3-2,0-1,7
Quite good	24	13	2,7
Satisfactory	21-23	11-12	3,0 - 3,3
Sufficient	19-20	10	3,7
Barely passing	18	10 or (*)	4
Fail	0-17	0-9	5

#### 1.2 Recognition of the Double Degree Programme

The procedure for the recognition of the Double Degree Programme depends on the period you spent abroad. If you spent your:

- 1) Fourth semester (second semester of the second year) or entire second year: thesis abroad
- Read carefully the guidelines for the <u>Final Graduation</u>, <u>Procedure and Deadline</u> and apply online according to the deadlines (*domanda di laurea*);
- In case you graduate abroad first, you have to provide to the <u>Program Coordinator</u> the <u>original version</u> of the final graduation certificate at least 2 weeks before the expected graduation date at the University of Bologna.
- Please make sure that the University of Bologna has recognized the courses you attended abroad.
- You may attend the graduation ceremony (proclamazione) at the University of Bologna according to the Graduation Session you applied for (not compulsory). You must inform Maria Luigia Loiudice if you want to take part to the graduation ceremony.

### 2) Third Semester (first semester of the second year)

• After the graduation at the University of Bologna, send your Final Transcript to the Host University in order to obtain their Degree. You will be able to download the transcript directly from Studenti Online one week after the Graduation Session.

Five months after your graduation, it will be possible to collect the parchment (pergamena - the original handwritten diploma) at the Segreteria Studenti di Economia, Management e Statistica, Via Zamboni 33, Bologna (student registry office). You may write to: <segescosta@unibo.it> and to maurizio.marfucci@unibo.it, with Dr. Maria Luigia Loiudice in copy, writing your:

- o NAME
- o SURNAME
- DATE OF GRADUATION
- o ADDRESS.
- and attach a photocopy of the identity card

Each of the foreign University's partner follows a different procedure to release the Degree according to their regulation.

#### 3.3 Graduation Deadlines and other information

Additional points (*Bonus Laurea*) are assigned depending on when you choose to graduate. For further information please refer to the guidelines for the <u>Final Graduation</u>, <u>Procedure and Deadline</u> on our Webpage.

The deadlines for the graduation sessions are on QF website. You can start the procedure for the graduation even if you have not taken all the exams yet. It is the **third deadline** (about twenty days before the actual graduation date) that is relevant for the completion and recognition of the exams.

Please check the deadlines on QF website