



Schweizerische Eidgenossenschaft  
Confédération suisse  
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# DIPLOM

**Markus Friedlin**

geboren am 6. Dezember 1957 von Basel BS,

hat am 17. Oktober 1985 den Titel „diplomierter Physiotherapeut“ an der Schule für Physiotherapie des Kantonsspitals Basel erworben.

Er erfüllt kumulativ die Voraussetzungen nach Art. 1 Abs. 3 (Abschluss, anerkannte Berufspraxis und anerkannte Weiterbildung) der Verordnung des WBF über den nachträglichen Erwerb des Fachhochschultitels vom 4. Juli 2000 (SR 414.711.5) und ist damit berechtigt, den Titel

**dipl. Physiotherapeut FH**

zu führen. Der nachträglich erworbene Fachhochschultitel „dipl. Physiotherapeut FH“ ist gesetzlich geschützt (Übergangsbestimmung A Abs. 1 der Fachhochschulverordnung vom 11. September 1996, SR 414.711).

Bern, den 31. Januar 2013

Staatssekretariat für Bildung,  
Forschung und Innovation SBFJ

Josef Widmer  
Stellvertretender Direktor



## Physiotherapy

This Diploma Supplement follows the model developed by the European Commission, the Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgments, equivalence statements or suggestions about recognition.

### 1. INFORMATION ABOUT THE QUALIFICATION HOLDER

- 1.1 Surname: *Friedlin*
- 1.2 First name(s): *Markus*
- 1.3 Date of birth: *06.12.1957*

### 2. INFORMATION ABOUT THE REFORM PROCESS

Several years ago, Switzerland initiated a major reform process of its higher education system. **Among other things, this reform process led to the creation of a new tertiary-level type A institution: the university of applied sciences or UAS (Fachhochschule FH / Haute école spécialisée HES / Scuola universitaria professionale SUP).** A large number of tertiary-level type B institutions, called professional colleges (Höhere Fachschule / Ecole supérieure / Scuola superiore), were required to change their curricula and were combined under a single UAS roof. **The following tertiary-level type B institutions became part of the new tertiary-level type A universities of applied sciences:** business administration colleges (Höhere Wirtschafts- und Verwaltungsschule HWV / Ecole supérieure de cadres pour l'économie et l'administration ESCEA / Scuola superiore per i quadri dell'economia e dell'amministrazione SSQEA), engineering colleges (Höhere Technische Lehranstalt HTL / Ecole technique supérieure ETS / Scuola tecnica superiore STS), art and design colleges (Höhere Fachschule für Gestaltung HFG / Ecole supérieure d'arts appliqués ESAA / Scuola superiore d'arti applicate SSAA) and home economics colleges (Höhere Hauswirtschaftliche Fachschule HHF / Ecole supérieure d'Economie familiale ESEF / Scuola specializzata superiore d'economia domestica SSED). **In a subsequent phase, colleges specialised in social work, music, theatre and other arts disciplines** as well as colleges of applied psychology and applied linguistics became part of UAS.

As a follow-up measure, the State Secretariat for Education, Research and Innovation SERI extended an offer to graduates of former professional colleges to obtain a UAS degree under certain conditions. This opportunity was also extended to graduates of the Ecole hôtelière de Lausanne who completed their studies in 1998, 1999 or 2000. Since 1 May 2009, holders of a Swiss qualification issued upon successful completion of a training programme recognised by the Swiss Red Cross as well as holders of a Swiss Red Cross identification card issued following a procedure to recognise cantonal qualifications are also entitled to obtain a UAS degree in one of the following fields: nutrition counselling, midwifery, **physiotherapy** and occupational therapy, if prerequisites are met. More information is provided about universities of applied sciences in Section 8 "Swiss Higher Education System" of this Diploma Supplement.

### 3. INFORMATION ABOUT THE UAS DEGREE

#### 3.1. How the UAS degree was awarded

The qualification holder initially earned a degree from a physiotherapy college (see above) prior to reform of the Swiss education system. The qualification holder was then awarded a UAS degree after having gained at least two years of subsequent professional experience in a related field after 1 June 2001 and after having completed a tertiary-level type A CET course or equivalent course in the field of health.

#### 3.2 Legally protected title

In German: Dipl. Physiotherapeut FH / Dipl. Physiotherapeutin FH; in French: physiothérapeute diplômé HES / physiothérapeute diplômée HES; in Italian: fisioterapista diplomata SUP.

### 3.3 Additional titles

Starting on 1 January 2009, students who obtained their UAS degree under the previous legislative framework (i.e. before commencement of the 14 September 2005 revision of the University of Applied Sciences Ordinance or by virtue of Transitory Provision A of the 17 December 2004<sup>[1]</sup> revision of the University of Applied Sciences Act), may **make use** of the following protected title by virtue of Transitory Provision A of the 14 September 2005 revision of the University of Applied Sciences Ordinance (*University of Applied Sciences Ordinance of 11 September 1996, Transitory Provision B, Additional Titles*):

Bachelor of Science Fachhochschule Nordwestschweiz in Physiotherapy

### 3.4 Name of awarding organisation

State Secretariat for Education, Research and Innovation SERI

## 4. INFORMATION ABOUT FORMER PHYSIOTHERAPY COLLEGES

### 4.1 Qualification level

Students require a high school leaving certificate as well as practical professional experience of a duration of two months in the field of health professions or welfare before starting their physiotherapy program.

#### 4.1.1 Programme duration

4 years of full-time study.

#### 4.1.2 Admission requirements

In order to enrol in physiotherapy colleges, candidates had to have an upper-secondary level qualification such as:

- Federal VET Diploma (Eidgenössisches Fähigkeitszeugnis / Certificat fédéral de capacité / Attestato federale di capacità), which is a labour-market qualification issued by a Swiss vocational school (Berufsfachschule / école professionnelle / scuola professionale di base);
- Specialised School Diploma (Diplommittelschulabschluss, name later changed in German to Fachmittelschulabschluss / Certificat d'école de culture générale / Certificato di scuola specializzata), which is a labour-market qualification issued by a Swiss specialised school (Diplommittelschule, name later changed in German to Fachmittelschule / école de culture générale / scuola specializzata);
- Academic Baccalaureate (gymnasiale Maturität / maturité gymnasiale / maturità liceale), which is an academic qualification issued by a Swiss selective school (Gymnasium/ gymnase / liceo).

In addition, candidates were generally required to do a two-month fieldwork placement in an area relating to health prior to commencement of the degree programme.

The final decision regarding admission to the degree programme was based on a written, oral and practical entrance examination to determine the candidate's suitability for the occupation.

#### 4.1.3 Completion requirements

In order to complete the degree programme, students were required to obtain a "Satisfactory" grade on all interim theoretical and practical examinations, on their final practical examination as well as on their undergraduate thesis.

#### 4.1.4 Content of studies

- Biomedical principles: anatomy, biomechanics, physiology, pathophysiology, pathology, training theory, psychology;
- Physiotherapeutic examinations relating to surgery / orthopaedics / traumatology; rheumatology; internal medicine, neurology / neurosurgery, paediatrics;
- Specific passive and active physiotherapeutic intervention concepts relating to the muscular-skeletal system; the system of internal organs and tissues; the neuromuscular and neurosensory system, and paediatrics;
- Physiotherapeutic principles relating to individual and group therapy;
- Physical methods of treatment (heat, cold, electrotherapy)
- Field placement in various fields (surgery / orthopaedics / traumatology; rheumatology; internal medicine, neurology / neurosurgery)

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<sup>[1]</sup> SR 414.71 in fine

#### 4.1.5 Professional status

Holders of a degree in physiotherapy are qualified to work as physiotherapists.

#### 4.2 Degree issued

4.2.1 Name of college: *Schule für Physiotherapie des Kantonsspitals Basel*

4.2.2 Graduation date: *17 October 1985*

4.2.3 Course of study: *Physiotherapy*

#### 4.2.4. Details regarding subjects taught, grades, assessments and credits obtained

See physiotherapy college transcript.

#### 4.2.5 Grading scale

Generally the following grading scale was used:

6 = Very good, 5 = Good, 4 = Satisfactory, 3 = Unsatisfactory, 2 = Poor, 1 = Of no value

#### 4.2.6 Overall classification of the qualification

No overall classification was awarded.

#### 4.3 Additional requirements to obtain the UAS degree

In order for graduates of former physiotherapy colleges to obtain a UAS degree, two additional requirements must be met:

##### 4.3.1 Professional experience

At least 2 years of recognised professional experience in a related field after 1 June 2001

*and*

##### 4.3.2 Tertiary-level type A CET course

Completion of a tertiary-level type A CET course or equivalent course in the field of health. The tertiary-level type A CET course must comprise at least 200 lessons or award 10 ECTS credits, which corresponds to a workload of 250-300 hours.

### 5. INFORMATION ABOUT UNIVERSITIES OF APPLIED SCIENCES

#### 5.1 Qualification level

UAS degrees are tertiary-level type A qualifications intended for those wishing to gain both general academic as well as specific professional skills and competencies. The degree programme builds on the knowledge and skills gained from upper-secondary level education and practical experience. For more information about universities of applied sciences and the Swiss higher education system, see Section 8 at the end of this diploma supplement.

#### 5.2 Programme duration

3 years of full-time study (corresponds to 180 ECTS), plus 10-month field placement. Depending on the UAS, students will be required to do a field placement of a more general nature prior to completion of their studies or one that is more specifically related to their profession after completion of their studies.

1 ECTS = 25 to 30 hours of study

#### 5.3 Admission requirements

In order to enrol in a university of applied sciences, candidates must be able to demonstrate that they have attained the requisite knowledge and skills. This usually takes the form of the upper-secondary level Federal Vocational Baccalaureate (Berufsmatura / Maturité professionnelle / Maturità professionale) but holders of other upper-secondary level qualifications such as the Academic Baccalaureate (Gymnasiale Maturität / Maturité gymnasiale / Maturità liceale) or the Specialised Baccalaureate (Fachmatura / Maturité specialise / Maturità specializzata) may also be admitted. In all cases, candidates need to have studied health-related subjects and are required to have at least 8 weeks of practical experience in the field of health and welfare. The candidate's overall suitability for the occupation is determined through a special admission procedure. Admission on the basis of a written application is possible.

#### 5.4 Completion requirements

UAS degree programmes in physiotherapy provide students with solid subject-specific knowledge, interpersonal skills, knowledge of methods and techniques, and awareness of personal strengths and weaknesses. In order to complete the degree programme, and obtain their tertiary-level type A qualification, students must pass intermediate graduation examinations as well as a final graduation examination, which includes an application-oriented Bachelor's thesis project in a selected field. This means that by the end of their studies, graduates:

- Prepare and assess a physiotherapeutic diagnostic
- Determine and carry out physiotherapeutic interventions
- Justify and document their whole approach
- Establish and maintain an adequate professional relationship with the user and his/her family and social background
- Position themselves and assume their role as physiotherapists in the professional and interprofessional environment
- Implement educational concepts during physiotherapeutic interventions
- Integrate research developments and knowledge acquired through professional training into their professional practice
- Initiate and participate in study and research programmes in connection with physiotherapy
- Promote the development and recognition of the profession as a physiotherapist
- Work freelance and manage a business within a free-market framework.

These competencies are acquired through the three main training elements:

- Modular training (average of 122 ECTS credits) where students acquire the theoretical knowledge, know-how and skills needed to handle real-life situations. During classroom-based training, theory is examined on the basis of experiences gained in work-based training.
- Practical training (fieldwork placements) lasting a total of 36-37 weeks (average of 45 ECTS credits). By confronting real-life professional situations, students are able to apply methods and theoretical knowledge gained during classroom training and hone their skills.
- Preparation of a Bachelor's thesis (average of 13 ECTS credits) on a related topic enables students to make the connection with real life situations he/she has faced or will be facing and the theories allowing to conceptualise his/her practice and, on the other hand, to learn how to collect data, do research, collaborate with researchers, prepare a Bachelor's thesis and communicate research findings.

#### 5.5 Access to further studies

A UAS degree can serve as an entry-level qualification for further studies (e.g. MAS or Masters degree programmes) at all tertiary-level type A and B institutions.

### 6. ADDITIONAL INFORMATION

State Secretariat for Education, Research and Innovation SERI

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### 7. CERTIFICATION OF THE SUPPLEMENT

State Secretariat for Education,  
Research and Innovation SERI

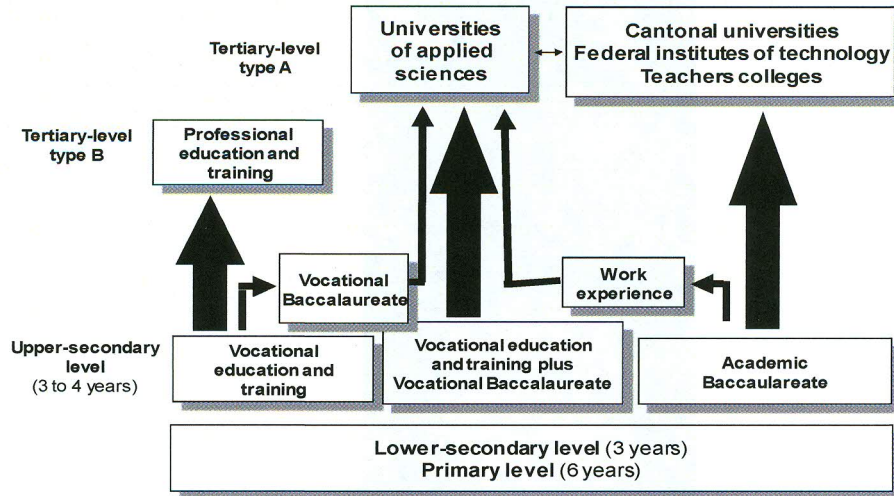


Berne, January 2013

Josef Widmer, Deputy Director

## 8. SWISS HIGHER EDUCATION SYSTEM

In Switzerland, there are several types of tertiary-level type A institutions: cantonal universities, federal institutes of technology (FITs), teachers colleges (TCs) and universities of applied sciences (UAS). All have different characteristics but are of equal status and economic importance. The general prerequisite for entry to a tertiary-level type A degree programme is successful completion of nine years of compulsory education (primary level plus lower-secondary level) and three to four years of post-compulsory education (upper-secondary level) and a recognised Baccalaureate. The chart below shows the structure of the education system in Switzerland.



**Cantonal universities, federal institutes of technology, teachers colleges:** Entry to these institutions is usually by means of the Academic Baccalaureate (Gymnasiale Maturität / Maturité gymnasiale / Maturità liceale). With their academically oriented courses, these institutions are responsible for maintaining the academic and research community.

**Universities of applied sciences:** Universities of applied sciences are mainly cantonal or regional institutions but are subject to federal regulation (mission, function and accreditation). UAS also receive federal funding to cover a portion of their costs. Apart from offering degree programmes, UAS are required to be nationally and internationally active in applied research and development, technology and knowledge transfer and provide postgraduate education. In order to enrol in a UAS degree programme, candidates must have an upper-secondary level qualification: usually the Vocational Baccalaureate (Berufsmatura / Maturité professionnelle / Maturità professionale) but admission is also open, under certain conditions, to holders of an upper-secondary level Academic Baccalaureate (Gymnasiale Maturität / Maturité gymnasiale / Maturità liceale) or an upper-secondary level Specialised Baccalaureate (Fachmatura / Maturité spécialisée / Maturità specializzata). By providing students with an applied, scientifically based education, universities of applied sciences prepare qualified young professionals for entry into the labour market and particularly for managerial positions in small and medium-sized enterprises (SME), which are predominant in Switzerland. UAS degree programmes and degrees are federally recognised and the titles awarded are legally protected.

In 1999, Switzerland joined the commitment made by the European Ministers of Education to implement the Bologna Declaration targets by 2010. The main thrust of the Bologna reform process is the splitting of tertiary-level education into two main stages: the Bachelor's degree at undergraduate level and the Master's degree at graduate level. Degree programmes and qualification titles have been standardised at both the national and international levels.