

# University Academic Curriculum Vitae

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**Personal information** Name: Monika Fikus Prof. Dr. rer. nat. Dr. phil. habil.  
 Place and date of birth: Berlin/Germany 01.12.1957  
 Nationality: German  
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**Education since leaving school**

- 1983 State Examination in Sports Science, Political Science, Pedagogy, and Philosophy, Technical University Braunschweig/Germany
- 1984 - 1988 Studies in Psychology and Physics
- 1988 Dr. rer. nat. (Doctor of Natural Sciences) in Movement science/Psychology, Technical University Braunschweig/Germany. Title of PhD Thesis: "The interrelation between visual perception and movement coordination using the example of setting in volleyball"
- 1994 Ph.D. habil. (Habilitation) in Sports Pedagogy, University of the Armed Forces Munich/Germany. Title of post-doctoral thesis: "Automation of movement as the formation of action units"

**Present appointment**

- Title of Appointment: Full Professor of Sport Didactics (M-EDF 01)
- Start of appointment: 2016
- Employer: Free University of Bolzano, Faculty of Education
- Brief description of responsibilities: Teacher training in sports science and sports, engagement for young academics, research in the field of sports and movement science, accountability in self-administration

## Chronological list of all previous employments

**Professional experience**

From / to	Job title	Name of academic Institution	Academic level	responsibilities
12/1983 11/1985	student assistant	Technical University of Braunschweig/Germany Institute of Sports Science	pg	studies on visual perception
12/1985 02/1989	graduate assistant	University of the Federal Armed Forces Munich/Germany Faculty of Pedagogy	pg	studies on internal and external view of movement performance
05/1986 02/1989	graduate assistant	Technical University of Munich/Germany Faculty of Sports Science	pg	studies on visuo-motor coordination, teaching in sports pedagogy
06/1990 09/1991	assistant to the dean	University of the Federal Armed Forces Munich/Germany Faculty of Pedagogy	PhD	development of new courses of study in sports science
10/1991 03/1995	research assistant	University of the Federal Armed Forces Munich/Germany Faculty of Pedagogy Institute of Sports Science	PhD	studies on movement learning teaching in sports science (theory and practice)
03/1995 06/2016	full professor Movement Science, Training	University of Bremen/Germany, Department of Cultural Sciences, Institute of Sports Science	full professor	Teacher training in sports science, engagement for young academics, research in the

	and Health			field of sports and movement science, accountability in self-administration
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### Experience in academic teaching

- Title of courses given last 5 years, name of University/Institute, subject area, academic level (under-/post-graduate / PhD), results of evaluations (full details in appendix)

Year	Title	Area	Level
2014/15	Movement Learning and Physical Development in Life Span	movement science	ug 3 cp
	Aesthetic Education and Movement at Different Stages of Life	pedagogy	ug 3 cp
	Research based learning: Presentation of Performance Data by 3D Visualization	interdisciplinary	ug, pg 9 cp
	Development and Evaluation of Age-specific Sports Programs: Sport in Urban Space	movement science sociology	ug 6 cp
	Development and Evaluation of Age-Specific Sports Programs: Main Focus Elementary Education	movement science pedagogy	ug 6 cp
	Ethnographic fieldwork and Excursion: long-distance cycle track	movement science sociology	ug 6 cp
	Metodología de investigación en ciencias sociales – investigación etnográfica*	interdisciplinary	PhD 6 cp
2013/14	Movement Learning and Physical Development in Life Span	movement science	ug 3 cp
	Aesthetic Education and Movement at Different Stages of Life	pedagogy	ug 3 cp
	Introduction to Movement Science and Training	movement science, training	ug 3 cp
	Age-specific Development and Health Promotion: Movement and Play for Children and Young People in Urban Space	movement science	ug, pg 6 cp
2012/13	Research Term		
2011/12	Problem-oriented Introductory Phase: Disciplines of Sports Science	interdisciplinary	ug 6 cp
	Introduction to Movement Science and Training	movement science, training	ug 3 cp
	Key topics in Movement Science and Training	movement science, training	ug, pg 3 cp
	Advanced Course (sports practice) Balance	pedagogy and didactics	ug, pg 6 cp
	Research based learning: Movement and Play in Urban Spaces	movement science	ug, pg 9 cp
	How movement creates spaces	movement science	ug, pg 3 cp
	Taller: Tutoría de doctorantes*	interdisciplinary	PhD 3 cp
2010/11	Introduction to Movement Science and Training	movement science, training	ug 3 cp
	Active Classroom – School on the Move	pedagogy	pg 6 cp
	Key Topics in Movement Science and Training	movement science, training	ug, pg
	Advanced Course (sports practice) Climbing and	pedagogy and didactics	pg 6 cp

	Mountain Biking		
	Research Colloquium	interdisciplinary	ug, pg 2 cp
	Module: Aesthetic Education and Movement	art, music, movement	professional training 9 cp
	Investigación cuantitativa*	research methodology	PhD 6 cp
2009/10	How Movement Creates Spaces	movement science	ug, pg 3 cp
	Advanced Course (sports practice) winter sports	pedagogy and didactics	pg 6 cp
	Introduction to Movement Science and Training	movement science, training	ug 3 cp
	Research Colloquium	interdisciplinary	ug, pg 3 cp
	Key Topics in Movement Science and Training	movement science, training	ug, pg 3 cp
	Teorias del aprendizaje y de la enseñanza*	pedagogy	PhD 6 cp

**Comments:**

All courses were given at the University of Bremen/Germany, Institute of Sports Science. Exceptions are marked with \* and were given at the Universidad Mayor de San Andrés, La Paz/Bolivia.

- Postgraduate supervision (PhD level): number of students supervised in the last five years with subject areas

No.	Year	Subject Area
1	2014	Computer Science in Sport
2	2014	Sports Medicine
3	2012	Sociology of Sport
4	2011	Training Science
5	2010	Cultural Studies in Sports
6	2009	Movement Science
7	2018	Sport Pedagogy

**Other academic responsibilities**

- internal appointments to faculty and university boards

2002	Dean, Department of Cultural Sciences
2000 – 2001 and currently	Vice Dean, Department of Cultural Sciences
1996 – 2002 and 2004 until today	Director of the institute of sports science
1996 until today	Member of the faculty council, cultural sciences
since 2013	Responsibility for international affairs in the department of cultural sciences
since 2014	Member of the research commission (area of social sciences)
since 2007	Member of the teaching unit for elementary education

- external appointments at national and international level

Since 1996 Foundation "Regenbogenfisch" – Foundation to support visually impaired and other children in need of support in sensory development: Implementation of a program of movement activities and play for children and young people of all ages with and without

disabilities

Since 2010 Universidad Mayor de San Andrés (UMSA) La Paz/Bolivia:  
Coordinator for the cooperation with international universities in the interdisciplinary doctoral program of the university UMSA

Since 2012 Criminal Investigation Department, homicide division:

Independent expert/scientific consultant in human movement analysis

- responsibilities for organizing conferences/seminars/exhibitions (place, duration, institute)

Time	Subject	Place/Institution
12. – 14. 09.1996	“Sich-Bewegen – Wie Neues entsteht. Emergenztheorien und Bewegungslernen“ (Human Movement - How the New Emerges. „Emergence Theories and Movement Learning“)	University of Bremen, Institute of Sports Science
26. – 28.09.2002	German Society of Sport Science (dvs), Committee “Sport Games”, Symposium: “Begründungsdiskurs und Evaluation in den Sportspielen” (“Foundation Discours and Evaluation in Sport Games“)	
30.1. – 01.02.2003	German Society of Sport Science (dvs), Section “Motor Behavior”, Symposium: “Transferphänomene in der Motorik” (“Phenomena of Transfer in Motor Functions”)	University of Bremen, Institute of Sports Science
16.04. – 17.04.2010	German Society of Sport Science (dvs), Committee “Elementary Pedagogy”: Multidisziplinäres Symposium frühkindliche Bewegungsbildung (“Multidisciplinary Symposium Early Childhood Education”)	University of Bremen, Institute of Sports Science
<b>2010-2014: DAAD Project: Innovation and Transformation of Postgraduate Studies, Cooperation Partners: University of Bremen/Germany and Universidad Mayor de San Andrés, La Paz/Bolivia</b>		
March 2010	Start-off Conference	Universidad Mayor de San Andrés, La Paz/Bolivia
April 2012	Internationalization of Doctoral Programs: Development and Piloting of Internationalization Concepts	Universidad Mayor de San Andrés, La Paz/Bolivia
November 2012	Network Foundation: Strategies for Action in the Field of Internationalization	Universidad Mayor de San Andrés, La Paz/Bolivia
17. – 19.3.2014	Final Conference	Universidad Mayor de San Andrés, La Paz/Bolivia
15. – 16.4.2014	Evaluation Conference	University of Bremen, Department of Cultural Sciences

Membership of academic or professional bodies (including

## Memberships

membership of Editorial Boards of scientific publications; membership of scientific committees for international conferences)

Organization	Time, Status of Membership
German Society of Sport Science (dvs)	since 1990 Member
	1997 - 2001 Members of the Board
	Member of the Speakers' council "Young scientists"
Association for the promotion of young scholars, academics, and professors e.V.	since 1991 Member
EECERA (European Early Childhood Education Research Association) Special interest group: Outdoor play and learning	since 2011 Member
SpielLandschaft Stadt e.V., Bremen	since 2013 Member

## Research and scholarships

- Summary of current research and scholarship

Currently, I am concerned with the question, how spaces must be designed to stimulate movement activities and collaborative activities in educational institutions and in urban spaces. In this context we are currently working on the following research projects:

- Risk and security: How playgrounds must be designed to allow children to deal with risk, but not to endanger their safety?
- Methods of action-oriented participation: How can children and young people participate in democratic decision-making that affect their living environment?
- Diversity and Inclusion: How urban spaces must be developed so as to allow co-operative play and movement activities?

In the first step we develop a research instrument to comprehensively collect data of play and movement activities. The results thus obtained are widely considered in planning and design processes in kindergartens and playgrounds in public spaces.

- Research grants and contracts

Date granted	Award Holder(s)	Funding Body	Title	Amount received
2010	Prof. Dr. Monika Fikus University of Bremen	DAAD (German Academic Exchange Service)	Innovation and Transformation of Postgraduate Studies, Cooperation Partners: University of Bremen/ Germany and Universidad Mayor de San Andrés, La Paz/Bolivia	250.000
2013	Prof. Dr. Monika Fikus University of Bremen	Senator for Education and Science of the Free Hanseatic City of Bremen	Accompanying scientific research of projects „Bewegung, Sport und Spiel für alle“ (Sportunterricht für Kinder mit besonderem Förderbedarf	6.500
2013	Prof. Dr. Monika Fikus	Aktion Mensch	Accompanying scientific research	6.000

	University of Bremen		project: Inklusive Stadt Bremen	
2011	Prof. Dr. Monika Fikus University of Bremen	Bund für Umwelt und Naturschutz Bremen (Friends of the Earth)	natural playground design in urban spaces	Research Cooperation
2011	Prof. Dr. Monika Fikus University of Bremen	Office of Social Services, Senator for Labour, Women's Affairs, Health, Youth and Social Affairs in Bremen	playground design	Research Cooperation

## Publications

### • Books – Edited

Fikus, M. & Schürmann, V. (Hrsg.) (2004). Die Sprache der Bewegung. Sportwissenschaft als Kulturwissenschaft. Bielefeld: Transcript.

Fikus, M., Oberliesen, R. & Tancara, C. (Hrsg.) (2015). Estudio Postgrado en el Contexto transnacional y transcultural - Innovación y Transformación, La Paz/Bolivien.

### • Chapters in books

Müller, L. & Fikus, M. (1998). Emergenz und Bewegungslernen. In M. Fikus & L. Müller (Hrsg.), Sich-Bewegen – Wie Neues entsteht. Emergenztheorien und Bewegungslernen (S. 10 – 30). Hamburg: Edition Czwalina.

Fikus, M. (2001). Bewegungskonzeptionen in der Sportwissenschaft. In V. Schürmann (Hrsg.), Menschliche Körper in Bewegung (S. 87 – 103). Frankfurt a.M.: Campus

Fikus, M. (2001). Was sind die Skalen menschlichen Sichbewegens?. In K. Moegling (Hrsg.), Integrative Bewegungslehre, Teil II (S. 107 – 147). Immenhausen b. Kassel: Prolog Verlag.

Fikus, M. & Schürmann, V. (2004). Die Sprache der Bewegung. In M. Fikus & V. Schürmann (Hrsg.). Die Sprache der Bewegung. Sportwissenschaft als Kulturwissenschaft (S. 29 – 68). Bielefeld: Transcript.

Fikus, M. (2006). Human Factors: Synopsis of Current Developments. In E. F. Moritz & S. Haake (Eds.), The Engineering of Sport 6 (Vol. Volume 3: Developments for Innovation, pp. 229 - 230). New York: Springer.

Dalichau, S., Oltsch, Ch., Hartenfels, A., Scheele, K. & Fikus, M. (2006). Auswirkungen eines sechswöchigen Dehnungstrainings auf Muskelquerschnitt, Maximalkraft und Dehnungsspannung. In: A. Ferrauti & H. Remmert (Hrsg.), Trainingswissenschaft im Freizeitsport (S. 59 – 62). Hamburg: Czwalina

Schmidt, A., Fikus, M. & Perl, J. (2008). Pattern Recognition in Basketball-Free-Throw-Shooting with Dynamically Controlled Networks. veröffentlichter Vortrag auf dem World Congress of Performance Analysis of Sport VIII. am 4. September 2008 in Magdeburg.

Schmidt, A., Fikus, M. & Perl, J. (2009). Typisierung von Basketball-Freiwürfen mit Hilfe Neuronaler Netze. In M. Lames, C. Augste, O. Cordes, C. Dreckmann, K. Görsdorf & M. Siegle (Hrsg.), Gegenstand und Anwendungsfelder der Sportinformatik. Schriften der Deutschen Vereinigung für Sportwissenschaft, Band 189, (S. 189-194). Hamburg: Czwalina.

Fikus, M. (2009). Temáticas centrales de la investigación en las universidades alemanas y latinoamericanas. In D. Mora & Oberliesen (Hrsg.), Culturas Científicas Críticas en el Contexto des Diálogo Internacional (S. 109 – 111). La Paz/Bolivien: III-CAB.

Luchs, A., Fikus, M. & Renout, G. (2010). Bewegungsräume von Kindern. Methodische und methodologische Überlegungen. In J. Ziemainz & W. Pitsch (Hrsg.). Perspektiven des Raums im

Sport. Schriften der DVS, Bd. 205, S. 56-63. Hamburg: Czwalina.

- Luchs, A., Fikus, M. (2011). Urbane Spiel- und Bewegungsräume. Untersuchung zum freien Spiel von Kindern im öffentlichen Raum. In H. Rieder-Aigner (Hrsg.): Zukunfts-Handbuch Kindertageseinrichtungen inklusive CD-ROM. Bildung und Soziales. Loseblattausgabe, 1 Ordner. Regensburg: Walhalla, o. S.
- Fikus, M. & Oberliesen, R. (2015). Internacionalización como un desafío para el desarrollo de los estudios postgrado - Análisis, experiencias y perspectivas en un diálogo transnacional Sur-Sur-Norte. In: M. Fikus. R. Oberliesen & C. Tancara (Hrsg.). Estudio Postgrado en el Contexto transnacional y transcultural - Innovación y Transformación (p. 41 – 90). La Paz/Bolivien.
- Fikus, M. & Luchs, A. (2015). Bewegung in der Stadt: Partizipative Planungsprozesse mit Kindern und Jugendlichen. Workshop Körperliche Alltagsmobilitäten., Bremen, 10./11.10. (in press, to appear in Fall 2015)
- Luchs, A., Fikus, M. & Heitmann, A. (2015). Natur und Bewegung in der Stadt – freies Spiel von Kindern im naturnahen Spielraum. In Kähler, R. (Hrsg.) Städtische Freiräume für Sport, Spiel und Bewegung (S. 139 – 150). Schriften der DVS, Hamburg: Czwalina.
- Luchs, A., & Fikus, M. (2016). Nichts Halbes und nichts Ganzes - Mut zum Unfertigen in der Gestaltung von Kita-Außenspielräumen. In R. Hildebrandt-Stramann & A. Probst (Eds.), Schriften der Deutschen Vereinigung für Sportwissenschaft: Band 259. Pädagogische Bewegungsräume. aktuelle und zukünftige Entwicklungen (pp. 41–47). Hamburg: Feldhaus Edition Czwalina.
- Fikus, M., Luchs, A. & Müller, L. (2017). Bewegung, Spiel und Sport für alle. Evaluation eines Modellprojekts an Bremer Grundschulen. In M. Peschel & U. Carle (Hrsg.). Forschung für die Praxis (S. 227 -236). Frankfurt a.M.: Grundschulverband e.V. ISBN 978-3-941649-21-7
- **Journal Papers in refereed academic journals (with DOI whenever possible)**
- Luchs, A., Fikus, M. (2013). A Comparative Study of Active Play on Differently Designed Playgrounds. Journal of Adventure Education and Outdoor Learning 13 (3), 206-222. DOI 10.1080/14729679.3013.778784
- Luchs, A. & Fikus, M. (2016). Differently designed playgrounds and preschooler's physical activity play, Early Child Development and Care, DOI: 10.1080/03004430.2016.1213726
  - **Journal papers in professional journals**

Fikus, M. & Schürmann, V. (2002), Bewegungskonzepte aus der Sicht verschiedener Wissenschaftsdisziplinen. Einführung. In: Leipziger Sportwissenschaftliche Beiträge 43 (2002) 1, 117-179.

Fikus, M. (2003). Über das Verhältnis von theoretischem Wissen und praktischem Können (nicht nur) in der Psychomotorik. Motorik, 26 (2), 67 – 72.

Duderstadt, M. & Fikus, M. (2008). Educación para la vida. La formación estética como componente indispensable de la formación general. Integra Educativa. 1 (1), 133 – 146
  - **Other publications**

Duderstadt, M. & Fikus, M. (2009). Rezeption und Produktion in der Ästhetischen Bildung. Verfügbar unter [www.schroedel.de/kunstportal/bilder/forum/2009-12-duderstadt-fikus.pdf](http://www.schroedel.de/kunstportal/bilder/forum/2009-12-duderstadt-fikus.pdf)

Fikus, M. (2012). Bewegung im Elementarbereich. Handreichungen zum Berufseinstieg von Elementar- und KindheitspädagogInnen. herausgegeben von Ursula Carle und Gisela Koepfel, Curriculare Bausteine, Heft B07. Bremen: Universität Bremen, Arbeitsgebiet Elementar- und

Grundschulpädagogik. [www.fruehpaedagogik.uni-bremen.de/handreichungen](http://www.fruehpaedagogik.uni-bremen.de/handreichungen)

Fikus, M. & Oberliesen, R. (2015). Transnationale systemische Hochschulentwicklung im Reformdialog mit lateinamerikanischen Universitäten, Vergleichende Studie zu Reorganisationsbedingungen,-strategien und Erfahrungen. Online publication: <http://nbn-resolving.de/urn:nbn:de:gbv:46-00104617-15>

#### Further data

Presentations at scientific conferences over past 3 years (invited or selected, keynote, nature and status of conference)

Year	Presentation	Conference	
2015	Play on Different Playgrounds	European Early Childhood Education Research Association (EECERA), Annual Conference Barcelona/Spain	international, selected
	Play, Playgrounds and Photo Interviews		
	Spaces for Children under the Age of three	German Association of Sports Science (dvs), Commission sport and space: Educational spaces - current and future developments Braunschweig/Germany	national invited
	Neither one thing nor the other – Courage to the Unfinished in Children's Outdoor Spaces		
2014	Assessing Free Play Behaviour in Urban Play Spaces – Suggestions for Observational Instruments	International Play Association, World Conference 2014 Istanbul/Turkey	international selected
	Nature and Physical activity in urban spaces – Free Play of Children on Natural Playgrounds	German Association of Sports Science (dvs), Commission sport and Space: Urban Open spaces for Sports, Play and Movement Mannheim/Germany	national invited
	Movement in Urban Spaces. Participative Planning Processes with Children and Young People	Interdisciplinary workshop on „physical mobility in everyday life“ Bremen/Germany	national invited
2013	Physical Activity during Active Play on Differently Designed Playgrounds	European Early Childhood Education Research Association (EECERA) Annual Conference, Tallinn/Estonia	international selected
2012	Play Outside	National Conference of the Heads of Park Agencies Köln/Germany	national invited
	Innovación y Transformación en Programas	La Universidad por el Desarrollo Sostenible, 8vo Congreso	international invited



	Postgraduados en el Diálogo Sur-Sur-Norte Internacional, Multidisciplinario - Experiencias y Perspectivas	Internacional de Educación Superior Habana/Cuba	
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**Language competence**

Written and spoken competence in all languages according to CERF levels, Common European Reference Framework; append certificates wherever available

<b>Language</b>	<b>Written</b>	<b>Spoken</b>
German	native language	native language
English	C1	C1
Spanish	B2	B2
Italian	A2	A2