

SECTIA Ingineria informației

ANUL 2

Semestrul 1

BIBLIOGRAFIE : Metode avansate de programare				Observatii biblioteca
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	
1	adresa(eventual)		Eckel, B., Thinking in Java (3rd ed.), New York: Prentice Hall, 2002.	
2	adresa(eventual)		Eckel, B., Thinking in Patterns with Java, MindView Inc, 2004.	
3	6407		Gamma, E., Helm, R., Johnson, R., Vlissides, J., Design Patterns - Elements of Reusable Object-Oriented Software, Massachusetts, Addison-Wesley, 1994.	
4	nu este		Larman, C.: Applying UML and Design Patterns: An Introduction to OO Analysis and Design, Berlin: Prentice Hall, 2000.	
5	nu este		Fowler, M., Patterns of Enterprise Application Architecture, Addison-Wesley, 2002.	
6	adresa		***, The Java Tutorial, SUN Microsystems, Inc, 2004. http://java.sun.com/docs/books/tutorial/index.html	
BIBLIOGRAFIE : Arhitectura sistemelor de calcul				Observatii biblioteca
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	
1	2467	681.3/B-65	BOIAN F. M. Sisteme de operare interactive. Ed. Libris, Cluj, 1994	
2	3203	681.3/B-65-1	BOIAN F. M. De la aritmetica la calculatoare. Ed. Presa Universitara Clujeana, Cluj, 1996	
3	nu este		BOIAN F. M., VANCEA A., IURIAN S., IURIAN M. Programare avansata de sistem si aplicatii IBM-PC, lito. Universitatea "Babes-Bolyai", 1996	
4	6478	L004.27/B-65-1	BOIAN F.M. VANCEA A. Arhitectura calculatoarelor, suport de curs. Facultatea de Matematica si Centrul de Formare Continua si Invatamânt la Distanță, Ed. Centrului de Formare Continua si Invatamânt la Distanță, Cluj, 2002,	an 2003
5	K-62-4si5084		KNUTH D.E. Tratat de programarea calculatoarelor; vol 3: Algoritmi seminumerici. Ed. Tehnica, Bucuresti, 1985	an 1983si2000
6	1166		STALLINGS W. Computer Organization and Architecture; Principles, Structure and Function. Mc. Millan Pub. Comp. New-York, London, 1987	
BIBLIOGRAFIE : Baze de date				Observatii biblioteca
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	
1	A-29k-4		AHO, A., HOPCROFT, J.,ULLMAN, J., Data Structures and Algorithms. Addison-Wesley, Reading,	
2			Massachusetts, 1983.	
3	4328		BÂSCA, O., Baze de date. Editura All, Bucuresti 1997.	
4	D-20bsi 7468		DATE, C.J., An Introduction to Data Base Systems. Addison Wesley, Reading, MA, 1995.	si anul 2004
5	nu este		HELMAN, P., The Science of Database Management. Richard D. IRWIN, Inc., 1994.	
6	1200		KORTH, H.F., SILBERSCHATZ, A., Data Base System Concepts. McGraw-Hill Book Compagny, 1986.	
7	4325		Microsoft Visual Basic 6.0. Ghidul programatorului. Editura Teora, Bucuresti 1998.	

8	4741	RAMAKRISHNAN, R., Database Management Systems. McGraw-Hill, 1998.	
9	6587	TAMBULEA, L. Baze de date, Litografat Cluj-Napoca 2003.	

BIBLIOGRAFIE : Programare logica si functionala

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1		6502	SERBAN G., POP H.F., Elemente avansate de programare in Lisp si Prolog. Aplicatii in Inteligenta Artificiala, Editura Albastra, Cluj-Napoca, 2006	
2	nu este		FIELD A., Functional Programming, Addison Wesley, New York, 1988.	
3	615356BCU	004/LIS	GIUMALE G., et. al., LISP, 2 Volume, Editura Tehnica, Bucuresti, 1987.	
4	nu este		HOGER C.J., Introduction to Logic Programming, Academic Press, New York, 1984.	
5	nu este		KLEENE S.E., Object Oriented Programming in Common Lisp, Addison Wesley, New York, 1989.	
6		1774 L519.6/P-37	PARV B., VANCEA AI., Fundamentele limbajelor de programare, Litografia Universitatii Babes-Bolyai Cluj-Napoca, 1992.	
7	nu este		REEDE C., Elements of Functional Programming, Addison Wesley, New York, 1989.	
8	S-90n	681.3/S-90	STREINU I., Lisp, Editura Stiintifica si Enciclopedica, Bucuresti, 1986.	
9	nu este		WALKER A., et. al., Knowledge Systems and Prolog. A Logical Approach to Expert Systems and Natural Processing, Addison Wesley, New York, 1987.	
10	nu este		WINSTON P.H., Lisp, Addison Wesley, New York, 2nd edition, 1984.	
11	W-73-1	681.3/W-73	WINSTON P.H., Artificial Intelligence, Addison Wesley, New York, 2nd edition, 1984.	
12	nu este		FLACH P., Simply Logical Intelligent reasoning by Example, John Wiley & Sons, Chichester, England, 1994	
13	nu este		* * *, Documentatia produselor: Gold Common Lisp 1.01 si 4.30,XLisp, Free Lisp.	
14		4082 004.43/M-60	* * *, Documentatia produselor: Turbo Prolog 2.0, Logic Explorer, Sicstus Prolog.	
15	adresa		http://www.ifcomputer.com/PrologCourse_Lecture on Prolog	
16	adresa		http://www.lpa.co.uk , Logic Programming	

BIBLIOGRAFIE : Probabilitati si statistica

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1		7036 517.4/A-28	Agratini, O., Blaga, P., Coman, Gh., Lectures on Wavelets, Numerical Methods and Statistics, Casa Cartii de Stiinta, Cluj-Napoca, 2005.	
2	IV/B-56	L519.2/B-56	Blaga, P., Calculul probabilitatilor si statistică matematică. Vol. II. Curs si culegere de probleme, Universitatea Babeş-Bolyai Cluj-Napoca, 1994.	
3		6183 519.22/B-56	Blaga, P., Statistica prin Matlab, Presa Universitară Clujeană, Cluj-Napoca, 2002.	
4	IV/B-56-1	L519.2/B-56-1	Blaga, P., Rădulescu, M., Calculul probabilitatilor, Universitatea Babeş-Bolyai Cluj-Napoca, 1987.	
5	C-55-10	519/C-55-10	Ciucu, G., Craiu, V., Inferență statistică, Editura Didactică și Pedagogică, București, 1974.	
6	F-35-3		Feller, W., An introduction to probability theory and its applications, Vol.I-II,	

			John Wiley, New York, 1957, 1966.	
7	I-75	519/I-75	Iosifescu, M., Mihoc, Gh., Theodorescu, R., Teoria probabilităților și statistică matematică, Editura Tehnică, București, 1966.	
8	6671	519.2/L-65	Lisei, H., Probability theory, Casa Cărții de Știință, Cluj-Napoca, 2004.	
9	7464	519.21/L-65	Lisei, H., Micula, S., Soos, A., Probability Theory through Problems and Applications, Cluj University Press, 2006.	
10	4055si5261		Shiryayev, A.N., Probability (2nd ed.), Springer, New York 1995.	
BIBLIOGRAFIE : Proiect individual				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	7704	004.43/F-89-1	M. Frentiu, H. F. Pop, G. Serban, Programming Fundamentals, Cluj University Press, 2006, 234 pag.	
2	5189	004.42/F-89	M. Frentiu, I. Lazar, Bazele Programării: Proiectarea Algoritmilor, 2000, Ed. Univ. Petru Maior, Tg.Mureș 184 pag.	
3	3844	681.3/F-89	M. Frentiu, I. Lazar, S. Motogna, V. Prejmerean, Elaborarea algoritmilor, Ed. Presa Universitară, Clujeana, Cluj-Napoca, 1998, 188 p.	
4	3845	681.3/F-89-1	M. Frentiu, I. Lazar, S. Motogna, V. Prejmerean, Programare Pascal, Ed. Presa Universitara, 1998, 392 pag.	
5	3860	519.6/L-94	I. Lupea, M. Lupea, Limbajul C. Teorie și aplicații. Editura Casa Cărții de știință, Cluj-Napoca 1998.	
6	5424	004.4/F-89	M. Frentiu, Verificarea corectitudinii programelor, Ed.Univ. Petru-Maior, Tg.Mureș, 2001.	

Semestrul 2

BIBLIOGRAFIE : Ingineria programelor			
Nr	Cota Sala	Cota Imprumut	Autor / Titlu
1	nu este		FLAATEN, P.O., MCCUBBREY, D.J., O'RIORDAN, P.D., BURGESS, K.: Foundations of Business Systems, Dryden Press, 1989, 2nd ed. 1997.
2	nu este		OWLER, M., SCOTT, K.: UML Distilled: A Brief Guide to the Standard Object Modeling Language, Addison-Wesley, 2nd ed., 1999.
3	7239?		JACOBSON, I., BOOCHE, G., RUMBAUGH, J.: The Unified Software Development Process, Addison-Wesley, 1999.
4	nu este		MARTIN, R.C.: Agile Software Development: Principles, Patterns, and Practices, Prentice Hall, 2002.
5	6587		PÂRV, B.: Analiza și proiectarea sistemelor, Univ. Babeș-Bolyai, CFCID, Facultatea de Matematică și Informatică, Cluj-Nap, 2002, 2003, 2004.
6	4737		PRESSMAN, R.S.: Software Engineering - A Practitioners Approach, McGraw-Hill, 3rd ed. 1992; 4th ed. 1996, 5th ed. 2001, 6th ed. 2005.
7	7867		SCHACH, S.R.: Object-Oriented and Classical Software Engineering, McGraw-Hill, 5th ed., 2002, 6th ed. 2005.
8	7869		SOMMERVILLE, I.: Software Engineering, Addison-Wesley, 5th ed. 1996, 6th ed. 2000, 7th ed. 2004.
9	adresa		Agile Modeling Homepage, [http://www.agilemodeling.com].
10	adresa		Software Engineering Body of Knowledge, IEEE, 2004. [http://www.swebok.org].
BIBLIOGRAFIE : Gestioneaza tranzactiilor si baze de date distribuite			

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	7468		C. J. Date: An Introduction to Database Systems, 8th Edition, Pearson Education, Inc. Addison-Wesley Higher Education, 2004.	
2	4076		Dollinger, R., Baze de date si gestiunea tranzactiilor. Editura Albastra, Cluj-Napoca, 1997.	An 2001
3	6249	6348 I.magh.	H. Garcia-Molina, J. D. Ullman, J. Widom: Database System Implementation, Prentice Hall Upper Saddle River, New Jersey, 2000.	Titlul asemanator
4	5166		H.T. Ozsu, P. Valduriez, Principles of Distributed Database Systems, Prentice Hall, 1997.	Titlul asemanator
5	4741		R. Ramakrishnan: Database Management Systems, WCB McGraw-Hill, Boston, 1998.	
6	1200		A. Silberschatz, H. Korth, S. Sudarshan: Database System Concepts, McGraw-Hill, New York, 2006.	An 1986
7	6586		Tambulea, L. Baze de date, Litografiat Cluj-Napoca 2003.	An 2002
8	7047	004.65/V-27	I. Varga: Adatbázisrendszerek (A relációs modelltől az XML adatokig), Editura Presa Universitară Clujeană, 2005.	

BIBLIOGRAFIE : Sisteme de operare

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		BACON J. Concurrent Systems: Operating Systems, Database and Distributed Systems - an integ appr. Addison-Wesley, 1998	
2	2467	681.3/B-65	BOIAN F.M. Sisteme de operare interactive. Ed. Libris, Cluj, 1994.	
3	3203	681.3/B-65-1	BOIAN F.M. De la aritmetica la calculatoare. Ed. Presa Universitara Clujeana, Cluj, 1996.	
4	6231	004.03/P-94	BOIAN F.M. FERDEAN C.M., BOIAN R.F., DRAGOS R.C. Programare concurrentă pe platforme Unix, Windows, Java. Ed. Albastră, Cluj, 2002.	
5	4973		IGNAT I. KACSO A. Unix: generarea proceselor. Ed. Albastra, grupul Microinformatica, Cluj, 1995.	
6	2017		ROCHKIND M.J. Advanced Unix Programming. Prentice Hall, 1985.	
7	2300		STALLINGS W. Operating Systems: Internal and Design Principles. Prentice Hall, 1998.	
8	nu este		TANENBAUM A.S. Distributed Operating Systems. Prentice Hall, 2002	
9	adresa		*** UNIX Unleashed, Internet Edition. http://docs.rinet.ru:8083/UNIXi/	
10	adresa		*** UNIX Unleashed, System Administrator's Edition. http://docs.rinet.ru:8083/UNIXs/	

BIBLIOGRAFIE : Proiectare cu microprocesoare (fara bibliografie)

BIBLIOGRAFIE : Proiect colectiv				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	adresa		Bugzilla, http://www.bugzilla.org/	
2	adresa		OpenUP, http://epf.eclipse.org/wikis/openup/	
3	adresa		Scott W. Ambler. Agile Model Driven Development (AMDD): The Key to Scaling Agile Software Development.	
			http://www.agilemodeling.com/essays/amdd.htm	
4	adresa		Subversion, http://subversion.tigris.org/	

BIBLIOGRAFIE : Didactica Informaticii (fara bibliografie)

Discipline oferite pentru cursul optional 1:

Pachetul cu discipline in Ib. romana

BIBLIOGRAFIE : Fundamentele limbajelor de programare				Observatii biblioteca
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	
1	3064		FRENTIU, M., PARV, B.: Elaborarea programelor: metode si tehnici moderne, ProMedia, Cluj-Napoca, 1994	
2	1160		GHEZZI, C., JAZAYERI, M.: Programming Language Concepts, John Wiley, 1972.	
3	2845		HOROWITZ, E.: Fundamentals of Programming Languages, Springer, 1973.	an 1983
4	nu este		MACLENNAN, B.J.: Principles of Programming Languages: Design, Evaluation and Implementation, Holt, Rinehart and Winston, 1973.	
5	1774	L519.6/P-37	PARV, B., VANCEA, A.: Fundamentele limbajelor de programare, Fascicolele 1-2, Lito Univ. "Babes-Bolyai", 1992.	
6	P-89e		PRATT, T.W.: Programming Languages: Design and Implementation, Prentice Hall, 1975	
7	nu este		SHAMMAS, N.: Object Oriented Programming with Turbo Pascal, Prentice-Hall, 1990	
8	nu este		VOSS, G.: Object-Oriented Programming: An Introduction, Osborne McGraw-Hill, 1991.	
9	4090	004.43/P-37	PARV, B., VANCEA, A.: Fundamentele limbajelor de programare, Ed.Microinformatica, 1996.	
10	adresa		* * * - Reteaua Internet.	

BIBLIOGRAFIE : Algebra computationala				Observatii biblioteca
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	
1	nu este		W. Bosma, A. van der Porten, Computational Algebra and Number Theory, Kluwer 1995.	
2	nu este		D. Bressoud, S. Wagon, A Course in Computational Number Theory, Springer-Verlag 2000.	
3	nu este		H. Cohen, A Course in Computational Algebraic Number Theory, Springer-Verlag, 2000.	
4	nu este		H. Cohen, A.M. Cuypers, H. Sterk, Some Tapas of Computer Algebra, Springer-Verlag, 1999.	
5	nu este		R. Crandall, C. Pomerance, Prime Numbers. A Computational Perspective, Springer-Verlag, 2001.	
6	nu este		K. Ireland, M. Rosen, A Classical Introduction to Number Theory, Springer-Verlag, 1990.	
7	3080		N. Koblitz, A Course in Number Theory and Cryptography, Springer-Verlag, 1994.	
8	nu este		R. Lidl, G. Pilz, Applied Abstract Algebra, Springer-Verlag, 1998.	
9	nu este		A.J. Menezes, P.C. van Oorschot, S.A. Vanstone, Handbook of Applied Cryptography, CRC Press, Boca Raton, 1997	
10	nu este		B. Schneier, Applied Cryptography, John Wiley & Sons, New York, 1996.	
11	2283		H.S. Wilf, Algorithmes et complexite, Masson, Paris, 1989.	

Pachetul cu discipline in Ib. maghiara

BIBLIOGRAFIE : Capitole speciale de combinatorica			

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1		6528	519.1/K-23	KÁSA ZOLTÁN: Combinatorica cu aplicatii, Ed. Presa Universitara Clujeana, 2003.
2	T-72siM-493		519/T-72	I. TOMESCU: Introducere in combinatorica, Ed. Tehnica, 1975.
3	3919 l.m.		004.021/C-71	CORMEN-LEISERSON-RIVEST: Algoritmusok, Műszaki Könyvkiadó, Budapest, I. kiadás 1997, II. kiadás 1999, III. kiadás 2000
	5297 l. r.			(IN ROMANA: Cormen-Leiserson-Rivest: Introducere in algoritmi, Ed. Libris Computer Agora, 2000.
	6339 l.m.			IN ENGLEZA: Cormen, T.H., Leiserson, C.E., Rivest, R.R, Stein, C.: Introduction to Algorithms, Mit Press-McGraw Hill,
	6774 l.m.			2001. 2nd ed)
4		4733		LOVÁSZ LÁSZLÓ: Kombinatorikai problémák és feladatok, Typotex Kiadó, Budapest, 1999.
5		6247		R. L. GRAHAM-D. E. KNUTH-O. PATASHNIK: Konkrét matematika, Műszaki Kiadó, Budapest, 1998.
6	nu este			LOTHAIRE, M.: Algebraic combinatorics on words, Cambridge University Press, 2002.
7	nu este			WILF, H. S.: Generatingfunctionology, Academci Press, Boston, 1996.

BIBLIOGRAFIE : Geometrie computationala

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1		4130	DE BERG, M. - VAN KREFELD, M. - OVERMARS, M. - SCHWARZKOPF, O.: Computational Geometry,	an 1997
			(2nd edition),Springer, 2000	
2	nu este		BOISSONNAT, J.-D. - YVINEC, M.: Algorithmic Geometry, Cambridge University Press, 1998	
3		5297	CORMEN, T.H. - LEISERSON, C.E. - RIVEST, R.L.: Introduction to Algorithms, The MIT Press,	l. romana tr.
			Cambridge,Massachusetts, 1990	
4	nu este		EDELSBRUNNER, H.: Algorithms in Combinatorial Geometry, Springer, 1997	
5	nu este		GOODMAN, J. - O'ROURKE, J. (eds.): Handbook of Discrete and Computational Geometry, CRC Press,	
			1997	
6	nu este		OKABE, A. - BOOTS, B. - SUGIHARA, K.: Spatial Tessellations: Concepts and Applications of Voronoi	
			Diagrams,John Wiley, 1992	
7	nu este		O'Rourke, J.: Art Gallery Theorems and Algorithms, Oxford University Press, 1987	
8	nu este		O'Rourke, J.: Computational Geometry in C, Cambridge University Press, 1994	
9		1845	PREPARATA, F.P. - SHAMOS, M.I.: Computational Geometry, Springer, 1985	

BIBLIOGRAFIE : Baze Groebner si demonstrarea automata a teoremelor de geometrie[nu are bibliografie]

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		B. Buchberger. Gröbner-Bases and System Theory.	
			Multidimensional Systems and Signal Processing, vol 12, nb 3-4,	
			July-October 2001, Springer	
2	adresa		B. Buchberger. Gröbner Bases: A Short Introduction for Systems	
			Theorists, http://www.risc.uni-linz.ac.at/people/buchberg/papers/2001-02-19-A.pdf	
3	nu este		W. W. Adams, P. Loustaunau. Introduction to Gröbner Bases.	

		Graduate Studies in Mathematics, American Mathematical Society, Providence, R.I., 1994.	
--	--	---	--

Pachetul cu discipline in lb. engleza

BIBLIOGRAFIE : Programare bazata pe restrictii				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	adresa		Edward P.K. Tsang, Foundations of Constraint Satisfaction, Academic Press, London and San Diego, 1993, ISBN 0-12-701610-4, http://cswww.essex.ac.uk/CSP/edward/FCS.html	
2	adresa		Roman Bartak, On-line Guide to Constraint Programming, http://ktiml.mff.cuni.cz/~bartak/constraints/	
3	nu este		Grzegorz Kondrak, A Theoretical Evaluation of Selected Backtracking Algorithms, University of Alberta, 1994 optional reference:	
1	adresa		Constraint programming: introduction, http://www.aiai.ed.ac.uk/links/constr.html	
2	adresa		Some challenges for constraint programming http://www.clip.dia.fi.upm.es/~herme/con.html (ACM Computing Surveys)	
3	adresa		Visual constraint programming tool: Oz explorer http://citeseer.nj.nec.com/schulte97oz.html	
4	rev.		Algorithms for constraint satisfaction problems: A survey AI magazine, 1992, 13/1	
5	rev.		Constraint satisfaction algorithms, BA Nadel, Computational Intelligence, Vol 5, 1989, pp 188-224.	
6	rev.		Constraint satisfaction, AK Mackworth, Encyclopaedia of AI, Volume I, Stuart C Shapiro (ed), John Wiley and Sons, 1987, pp 205-211.	
7	rev.		Partial constraint satisfaction, EC Freuder and RJ Wallace, AI, vol 58, 1992, pp 21-70.	
8	nu este		Rina Dechter, Constraint Processing. Morgan Kaufmann Publishers, 2003.	
9	nu este		Kim Marriott and Peter J. Stuckey, Programming with Constraints. An Introduction. The MIT Press, 1998.	
10	nu este		Thom Frühwirth and Slim Abdennadher, Essentials of Constraint Programming. Springer-Verlag, 2003.	
11	nu este		Krzystof R. Apt, Principles of Constraint Programming. Cambridge University Press, 2003.	
12	nu este		Philippe Baptiste, Claude Le Pape and Wim Nuijten, Constraint-Based Scheduling: Applying Constraint Programming to Scheduling Problems. Kluwer Academic Publishers, 2001.	

BIBLIOGRAFIE : Algebra computationala				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		W. Bosma, A. van der Poorten, Computational Algebra and Number Theory, Kluwer 1995.	
2	nu este		D. Bressoud, S. Wagon, A Course in Computational Number Theory, Springer-Verlag 2000.	
3	nu este		H. Cohen, A Course in Computational Algebraic Number Theory, Springer-Verlag, 2000.	
4	nu este		H. Cohen, A.M. Cuypers, H. Sterk, Some Tapas of Computer Algebra, Springer-Verlag, 1999.	
5	nu este		R. Crandall, C. Pomerance, Prime Numbers. A Computational Perspective, Springer-Verlag, 2001.	
6	nu este		K. Ireland, M. Rosen, A Classical Introduction to Number Theory, Springer-Verlag, 1990.	
7	3080		N. Koblitz, A Course in Number Theory and Cryptography, Springer-Verlag, 1994.	
8	nu este		R. Lidl, G. Pilz, Applied Abstract Algebra, Springer-Verlag, 1998.	
9	nu este		A.J. Menezes, P.C. van Oorschot, S.A. Vanstone, Handbook of Applied Cryptography, CRC Press, Boca .	

		Raton, 1997	
10	nu este	B. Schneier, Applied Cryptography, John Wiley & Sons, New York, 1996.	
11	2283	H.S. Wilf, Algorithmes et complexite, Masson, Paris, 1989.	

