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Nota di contenuto	Advanced Internet Protocols, Services, and Applications; CONTENTS; Preface; Acknowledgments; About the Authors; 1 Transmission Control Protocol/Internet Protocol Overview; 1.1 Fundamental Architecture; 1.2 Internet Protocol Basics; 1.2.1 Packet Header; 1.2.2 Internet Protocol Address; 1.2.3 Internet Protocol Classification; 1.2.4 Subnet and its Masking; 1.2.5 Subnet Calculation; 1.3 Routing; 1.3.1 Routing across Providers; 1.3.2 Routing within Edge Networks; 1.3.3 Routing Scalability; References; 2 Transport-Layer Protocols; 2.1 Transmission Control Protocol 2.1.1 Transmission Control Protocol Header Structure2.1.2 Three-Way Handshake; 2.1.3 Transmission Control Protocol Flow Control and Congestion Control; 2.1.4 Port Number; 2.2 User Datagram Protocol; 2.2.1 User Datagram Protocol Header Structure; 2.3 Stream Control Transmission Protocol; 2.3.1 Stream Control Transmission Protocol Packet Structure; 2.3.2 Security: Prevention of SYN Attacks; 2.4 Real-Time Transport Protocol; 2.4.1 Real-Time Transport Protocol Header

Structure; References; 3 Internet Architecture; 3.1 Internet Exchange Point; 3.2 History of Internet Exchange Points
3.3 Internet Service Provider Interconnection Relationships3.4 Peering and Transit; References; 4 IP Routing Protocols; 4.1 Overview of Routing Protocols; 4.1.1 Interior Gateway Protocol; 4.1.2 Exterior Gateway Protocol; 4.2 Routing Information Protocol; 4.2.1 Routing Information Protocol Header Format; 4.2.2 Update of Routing Table in Routing Information Protocol; 4.2.3 Maintenance of Routing Table in Routing Information Protocol; 4.2.4 Split Horizon; 4.2.5 Limitations of Routing Information Protocol; 4.3 Open Shortest Path First; 4.3.1 Shortest-Path Algorithm; 4.3.2 Hierarchical Routing
4.3.3 Open Shortest Path First Packet Format4.3.4 Comparison of Routing Information Protocol and Open Shortest Path First; 4.4 Border Gateway Protocol; 4.4.1 Border Gateway Protocol Message Flows; 4.4.2 Border Gateway Protocol Policy Selection Attributes; References; 5 Multiprotocol Label Switching; 5.1 Overview; 5.2 Functions and Mechanisms; 5.3 Applicabilities; References; 6 IP Quality Of Service; 6.1 Introduction; 6.2 Quality of Service in IP Version 4; 6.3 Integrated Services; 6.3.1 Packet Scheduler; 6.3.2 Packet Classifier; 6.3.3 Admission Control
6.3.4 Resource Reservation Protocol (RSVP)6.4 Differentiated Services; 6.5 Quality Of Service with Nested Differentiated Services Levels; 6.5.1 Drawbacks of Explicit Endpoint Admission Control with Path Selection; 6.5.2 OSPF-Based Adaptive and Flexible Quality of Service Provisioning; 6.5.3 Combination of Security and Quality of Service; 6.5.4 Path Selection Algorithm Analysis; References; 7 IP Multicast and Anycast; 7.1 Addressing; 7.1.1 Multicast Addressing; 7.1.2 Differences between Multicasting and Multiple Unicasting; 7.2 Multicast Routing; 7.2.1 Optimal Routing: Shortest-Path Trees
7.2.2 Unicast Routing

Sommario/riassunto

Today, the internet and computer networking are essential parts of business, learning, and personal communications and entertainment. Virtually all messages or transactions sent over the internet are carried using internet infrastructure- based on advanced internet protocols. Advanced internet protocols ensure that both public and private networks operate with maximum performance, security, and flexibility. This book is intended to provide a comprehensive technical overview and survey of advanced internet protocols, first providing a solid introduction and going on to discuss internetworking

2. Record Nr.	UNINA9910972486303321
Autore	Allan Barbara <1954->
Titolo	Emerging strategies for supporting student learning : [a practical guide for librarians and educators] / / Barbara Allan
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (x, 178 pages) : digital, PDF file(s)
Disciplina	028.7071/1
Soggetti	Information literacy - Study and teaching (Higher) Research - Methodology - Study and teaching (Higher) Library orientation for college students Library orientation for college students - Web-based instruction College student development programs Academic libraries Academic libraries - Relations with faculty and curriculum Libraries and education
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Machine generated contents note: ; 1. Introduction -- Introduction to the book -- Introduction to this chapter -- Changing the learning landscape -- Student expectations and experiences -- Flexible learning -- Library spaces -- Employability -- Internationalization of higher education -- Institutional responses to change -- Changing ways of working for library and information professionals -- structure of the book -- Summary -- References -- ; 2. Working with students -- Introduction -- Diverse student populations -- Students in the digital age -- Working with international students -- Students with disabilities -- Part-time students -- Diverse learning styles -- Practical approaches for working with diverse groups of students -- Summary -- References -- ; 3. Digital literacies -- Introduction -- Digital literacies in practice -- Information literacy -- Metaliteracy -- Additional case studies -- Digital badges -- Summary -- References -- ; 4.

Employability -- Introduction -- Academic libraries and employability -- Graduate attributes -- Working with students -- Summary -- References -- ; 5. Approaches to learning and teaching -- Introduction -- Kolb's learning cycle -- Laurillard's conversational framework for university teaching -- Entwistle's teaching for understanding at university -- Land and Meyer's threshold concepts -- Higher Education Academy's flexible pedagogies -- Summary -- References -- ; 6. Learning and teaching activities -- Introduction -- Presenting basic ideas -- Common learning and teaching activities -- Assessment of learning -- Reflection on learning -- Learning and teaching without courses -- Summary -- References -- ; 7. Making it happen -- Introduction -- Thinking about participants -- Basic design principles -- Levels of learning -- Basic design structure -- Design of individual learning activities -- Finding and using learning resources -- Reviewing the programme design -- Marketing and promotion -- Summary -- References -- ; 8. Designing face-to-face, blended and online courses -- Introduction -- Designing face-to-face sessions -- Designing flipped classroom sessions -- Designing blended learning courses -- Design of online courses -- Summary -- References -- ; 9. Delivering learning experiences -- Introduction -- Preparing yourself -- Face-to-face delivery -- Online delivery -- Co-facilitation -- Summary -- References -- ; 10. Evaluation of learning and teaching activities and courses -- Introduction -- UK quality control and enhancement processes -- Research on evaluation of learning and teaching in academic libraries -- Evaluation in practice -- Combined methods of evaluation -- Summary -- References -- ; 11. Lifelong professional development -- Introduction -- Networking through professional organizations and groups -- Learning in the workplace -- Short courses, conferences and workshops -- Accredited courses -- Independent learning -- Developing online networks -- Managing individual professional development -- Developing a professional portfolio -- Summary -- References.

Sommario/riassunto

Emerging Strategies for Supporting Student Learning provides a straightforward and accessible guide to the latest learning and teaching practices appropriate for use with higher education students. It is both an exciting and challenging time to be working in higher education as the sector experiences rapid changes including: an increasingly diverse student population with changing expectations; changes in technology including the rise in the use of social media; increased emphasis on employability and internationalisation; development of new social learning spaces; as well as an ever-decreasing resource base. As a result of these changes, new approaches to supporting student learning are developing rapidly.
